U.S.F.W.S.
SH361
A25Sf

Library
#453

LIBRARY
AUG 6 1963
FISH & WILDLIFE SERVICE

STREAM CATALOG OF SOUTHEASTERN ALASKA REGULATORY DISTRICT No. 2

LIBRARY
AUG
FISH & WILDLIFE SERVICE

LIBRARY
BUREAU OF COMMERCIAL FISHERIES
U. S. FISH AND WILDLIFE SERVICE
P. O. BOX 3830
HONOLULU 12, HAWAII

SPECIAL SCIENTIFIC REPORT—FISHERIES No. 453

UNITED STATES DEPARTMENT OF THE INTERIOR
FISH AND WILDLIFE SERVICE

ABSTRACT

Information about part of Southeastern Alaska salmon streams is cataloged from the voluminous records of the Alaska Department of Fish and Game, the Alaska Salmon Industry, the Fisheries Research Institute of the University of Washington, the U. S. Fish and Wildlife Service, and other agencies. Stream descriptions, maps, and historical records of salmon escapement data are compiled for 88 salmon streams in the Southeastern Alaska Regulatory District No. 2. Each stream is located geographically by latitude and longitude, and by orientation to prominent land masses. A standard numbering system, number designations formerly in use, and common names of each stream are listed. Physical descriptions are presented for the intertidal zone and the upstream area of each stream. Available records of weather, water temperatures, and information useful to ground and aerial stream surveyors are presented in brief form. The species of salmon utilizing the spawning grounds and estimates of the escapements each year for many years are given.

UNITED STATES DEPARTMENT OF THE INTERIOR, STEWART L. UDALL, SECRETARY
Fish and Wildlife Service, Clarence F. Pautzke, Commissioner
Bureau of Commercial Fisheries, Donald L. McKernan, Director

STREAM CATALOG OF SOUTHEASTERN ALASKA

REGULATORY DISTRICT NO. 2

Edited by
Russell F. Orrell
Fisheries Research Institute
University of Washington
Seattle, Washington
and
Edward Klinkhart
Alaska Department of Fish and Game
Ketchikan, Alaska

S-K Contract No. 14-17-0005-24
Contribution No. 149 , College of Fisheries
University of Washington

United States Fish and Wildlife Service
Special Scientific Report--Fisheries No. 453

Washington, D.C.: April, 1963

CONTENTS

Page

Abstract

Introduction 1

Sources of data 1

Limitations of data 2
- Escapement estimates 2
- Physical observations 3

Explanation of catalog format 3
- Stream designations 3
- Intertidal zone 4
- Upstream 5
- Escapement record 5

Mapping symbols 7

Alphabetical index of salmon streams 8

Numerical index of salmon streams 11

Statistical area index of salmon streams 14

Map of stream locations 17

Map of Regulatory District No. 2 18

Stream descriptions ..... K 119 to K 185

STREAM CATALOG OF SOUTHEASTERN ALASKA
REGULATORY DISTRICT NO. 2 [1/]

INTRODUCTION

The pink salmon of Southeastern Alaska are an important fishery resource. Millions of these fish are captured annually by the commercial fishery during their spawning migration. There are more than 1,100 known spawning streams, plus hundreds of small, individually unimportant ones, scattered along the 9,000 coastal miles of Southeastern Alaska.

For many years, management and research agencies of the Federal, Territorial and State governments, Alaska Salmon canners, and the Fisheries Research Institute of the University of Washington, have independently conducted stream surveys of the salmon spawning grounds. A vast amount of valuable information has been accumulated and has been, in the main, kept on file in the offices of the various organizations.

To make full use of all these scattered materials, records from the various souces have been gathered together and methods of stream surveying have been studied on a comparative basis. This information has been consolidated into a standard form which is presented here as a stream catalog.

This catalog has been compiled under a contract given to the Fisheries Research Institute by the United States Fish and Wildlife Service. The material contained herein includes 88 major and numerous minor streams of Regulatory District No. 2.

Information on each stream is presented in three parts: a map, stream description, and the escapement record. Information pertinent to the identification of each stream by name, number, and location is given, and further physical features are described where necessary for positive identification. Descriptions of each stream are given as completely as available information allows. The catalog format is so designed that future surveys by various agencies can be recorded and conducted according to a uniform style.

1/ Contribution No. 149, College of Fisheries, University of Washington, Seattle, Washington. It is the second catalog of salmon streams of Southeastern Alaska. The first catalog covered the Eastern Section of Ketchikan Management District, Special Scientific Report -- Fisheries No. 305. (Regulatory District No. 1).

As a handbook of salmon streams, this catalog is expected to serve as an aid to conservation agencies as well as others who have an interest in the valuable salmon resource of Southeastern Alaska.

SOURCES OF DATA

The information compiled in this catalog is derived from a number of sources, both in and outside of the field of fisheries work. A complete list of these sources is given below.

Alaska Department of Fish and Game. Valuable stream and escapement information are available in reports by research and management personnel.

Alaska Salmon Industry. Surveys (made by individual members of the industry) are among some of the earliest records available.

Fisheries Research Institute. Records are available for each year starting with 1947. Many of the Institute research projects have been concerned with precise measurements of physical factors. Data from these projects provide some of the stream descriptions and escapement estimates included in this catalog. In 1950 and 1951 the Institute assembled a stream catalog for Southeastern Alaska with all the information then available. It has served as a guide for the present catalog.

U. S. Coast and Geodetic Survey. Charts used throughout the catalog for standardization of stream location coordinates are from this source. A number of large-scale charts have provided intertidal zone information.

The U. S. Coast Pilot (1952, Southeast Alaska, Dixon Entrance to Yakutat Bay, x, 544 p., plus charts and Supplements dated February 9, 1957, and January 7, 1961, Ninth Supplement) is the source of information on vessel approaches to stream mouths and the authority for spelling of proper names.

U. S. Fish and Wildlife Service. District catalogs of this agency are a major source ot stream physical data and salmon escapement records. Escapement records from the streams where weirs were operated are actual counts. The F. W. S. stream numbering system, being the first system used, is incorporated in this catalog. Information on some of the large

mainland streams with headwaters in Canada was obtained from the Canadian government by the U. S. Fish and Wildlife Service.

U. S. Federal Power Commission. The report, Water Power of Southeastern Alaska, 1947, published with the cooperation of the U. S. Forest Service, provides discharge rates and stream drainage areas, and other information about a number of important salmon streams. 168 p.

U. S. Forest Service. Data on stream characteristics and salmon escapements are available on several streams in records of studies conducted by this agency on the effects of logging on the physical makeup of streams.

U. S. Geological Survey. Aerial photographs from this agency are the primary source for measurements of stream distances and areas and for valley features not visible from the ground. These photographs, which are of most of the streams in Southeastern Alaska, were made by the U. S. Navy (Patrol Squadron Four) in 1948.

Local residents. Another source is the descriptive information on several major streams provided by local residents.

LIMITATIONS OF DATA

Escapement estimates obtained by visual means are often limited in accuracy because fish are not seen in turbid water, under overhanging stream banks, or in areas inaccessible to observers. Actual counts throughout the duration of the salmon run past a counting weir or tower are relatively accurate estimates of total escapement. However, it is not economically feasible to establish a weir on each stream, and escapement surveys are the only source of information for a large part of the area which must be covered. The value of the catalog as a history of the salmon escapements can be realized only if its limitations are fully known.

Escapement Estimates

Escapement estimates do not indicate the actual total escapement. At no time are all the salmon in the stream simultaneously since the spawning run extends over a period of weeks. Therefore, each escapement estimate is an index of the relative abundance at the time of survey.

The maximum estimate determined by survey methods at about the peak of the run is used as an estimate of the relative abundance of the total escapement. Reliable indices of relative abundance from year to year can be made only if the surveys are comparable. Evaluation of the following factors is necessary to determine the accuracy of the escapement estimates.

Observers. --The escapement records are from many different observers. Variability in estimating the number of salmon in a given area by different observers should be considered in judging the accuracy of the data. In general, with more observers variability increases.

Survey systems. --Different survey systems have been used by the various agencies. Reliability of the escapement estimates varies with the systems used.

Survey systems that employ standard counting techniques over standard distances are the most reliable method now available for comparison of abundance between years, particularly when streams can be only partially covered. Standard survey distances in comparatively long streams were not widely used prior to 1949.

Survey systems requiring periodic visits to each stream during the spawning period are more reliable for estimates of peak abundance than systems requiring only one or two visits. The peak period of abundance in a salmon stream is usually relatively short, and one or two visits may miss the peak.

Type of survey. --Two basic methods for covering the streams during escapement surveys are being used.

The oldest method is the ground survey in which the observer follows the stream course on foot or in a skiff with an outboard motor. Most parts of the stream can be closely observed by this type of survey.

The newer method is aerial survey. This is a fast, economical means of covering a large number of streams in a short period of time over stream distances greater than is possible on the ground. This method requires experienced personnel familiar with ground surveys as well.

Aerial surveys are best suited for large rivers and streams where ground coverage is limited usually to the lower portion of the stream near the banks. Ground surveys are more reliable than aerial surveys on small streams that offer poor visibility from the air.

Observation conditions. --Weather is an extremely important factor in the reliability of escapement estimates. During flooding, ground surveys can be made only with great difficulty. Visibility is also greatly reduced because of turbid water. Any estimate made during years that had heavy rains of

long duration during the peaks of spawning runs is not comparable with an estimate made during normal water levels.

Streams in which intertidal spawning predominates may present difficult observation conditions at high tide. Spawning salmon in the intertidal zone behave differently when the spawning areas are flooded by the high tide.

Aerial observations vary with the different types of aircraft used. Observations made from small light planes capable of following winding stream courses are more reliable than those made from larger planes which must fly at considerable height above the stream and generally at greater speeds.

Physical Observations

Observations of the characteristics of each stream by different observers have been recorded with varying degrees of accuracy. Many details of stream descriptions are dependent upon the individual observer's ability and knowledge.

Many stream dimensions are merely estimates. Instruments for measurements were usually not available to observers, and pacing and estimating were used.

Most basic stream distances have been taken from aerial photographs and are relatively accurate. However, some errors may have occurred where reference points were difficult to identify. Drainage estimates were based on compensating polar planimeter measurements of valley areas, but occasionally drainage divides were difficult to distinguish and the areas given are only approximate.

EXPLANATION OF CATALOG FORMAT

Further descriptions of the data such as estimates of timing, temperature ranges, spawning facilities, etc., are included under these specific headings in the explanation of the catalog format that follows:

Stream Designations

Statistical area number. --The number used by the Alaska Department of Fish and Game to designate the statistical area is given in the upper left side of the heading.

Stream name. --This appears in the center of the first line of the heading. Recorded names or common local names are used when available. Otherwise unnamed streams of importance are given descriptive names corresponding to location or other distinguishing features. Some streams have identical names; they are retained without change due to local usage. Many minor streams have no names; hence they are identified only by number.

Stream number. --This number appears on the right side of the first line of the heading. The letter preceding the number designates the administrative district in Southeastern Alaska: e. g., "K" for Ketchikan. Continuity of stream numbers along a shoreline is followed where practical. Due to the numerous islands, breaks in the sequence have been necessary. Nonhyphenated numbers designate major or important streams. A catalog number which includes a hyphenated number designates a tributary to the stream of the same number. A catalog number combining numbers and letters designates a minor stream, either adjacent to or between major streams numbered in sequence. For example, stream number 17A is a minor stream adjacent to major stream number 17.

Latitude and longitude. --This appears on the second line, left side, of the heading. Location of streams is given by the use of "N" for north latitude, and "W" for west longitude, stated in degrees (°), minutes and tenths of minutes ('). Location of the high tide point on the stream is given for positive identification.

Previous number. --This appears on the second line, right side, of the heading. Stream number or numbers used in the past by Fish and Wildlife Service are given for positive identification of old stream records.

Geographic location. --This appears on the third line of the heading. Each stream location is described by the administrative district, major channel, bay or inlet, arm or cove, and location within the smallest division given by direction (from true north) and distance (nautical miles).

Major species. --Included are those species of salmon which furnish the bulk of spawning in the stream. Where more than one dominates, both (or more) are included.

Other species. --This indicates other known species of salmon and trout using the stream.

Escapement timing. --The timing is based on systematic stream survey records, which include a number of years of surveys with visits before, near, and after the peaks of abundance. Extensive stream temperature studies were conducted in conjunction with most of these surveys. The earliest runs of salmon occur along the colder mainland streams. The latest runs are in the outer channel and coastal areas where stream levels are dependent upon rainfall. An intermediate timing of the runs occurs in the

region lying between the mainland and outer coastal areas. Three major time divisions are used to indicate the peak period that the major species are found in the stream. "Early" designates peaks before August 15; "middle," peaks between August 15 and September 15; "late," peaks after September 15. The range of time in which the major species are found in the streams is given by months.

Escapement magnitudes. --These are estimates of the total escapement, based on stream counts of the peak abundance of salmon, multiplied by a certain factor. This factor was determined from stream tagging experiments conducted at Herman Creek in 1953 by the Fisheries Research Institute, who found the total escapement was between two and three times the peak count. The range of the escapement magnitude is given in thousands.

Spawning facilities. --This includes a general classification rating of poor, fair, good, excellent, etc. The rating is based on estimates made by various individuals.

Stream temperatures. --In this classification, the following general ranges are used for each stream. Each range is for the 3-month period (July, August, and September) in which the majority of the salmon spawning migrations occur:

Cold range, averaging less than 50° F., usually an early run stream.

Normal range, averaging between 50° F., and 55° F., usually a middle run stream.

Warm range, averaging over 55° F., usually a late run stream.

These ranges generally correspond to the geographic location of the stream and time of the runs. Where only limited temperature information is available for a stream, the range has been estimated from its location and timing of the run. Cold-range streams are usually found along the mainland or on the larger islands in the northern part of Southeastern Alaska. Warm-range streams are usually found along the outer channels and coastal areas, which are dependent upon precipitation as the primary source of supply. The normal-range streams appear to fall geographically between and may combine characteristics of both cold- and warm-range streams. Timing of the salmon runs, especially pink salmon, also follows the geographic distribution outlined above. Recording thermograph data, available from a number of streams with known escapement timing, have been used as a basis for comparison.

Valley description. --Glacial, "stream-cut," etc., describe valley origin with a general description of the outstanding features such as length, width, timber, slopes, directions, etc. They have been obtained from aerial photographs and by direct observations.

Drainage area. --This has been either estimated in square miles or computed with a polar planimeter from aerial photographs. Estimates of the drainage area of large systems have been taken from the small-scale, key, composite photographs and are less reliable. Data from Water Power of Southeastern Alaska 1947 are included when available. Descriptions are given of supply sources, drainage topography, and characteristics governing water quality and temperature ranges during spawning from the editor's interpretation of aerial photos and local knowledge.

Stream mouth identification. --This is a description of some general features visible at the stream mouth.

Anchorage. --Descriptions of temporary anchorages which have been used for short stops by stream survey vessels are given. Overnight and storm anchorages are given in the U. S. Coast Pilot.

Trails and survey routes. --These include descriptions of trails that have been used by ground parties on stream surveys. Where other than the streambed was used, a description of routes is given, including difficult points, identification, outstanding features, presence of brown bears, etc.

Aerial survey notes. --The notes include remarks from various individual observations on the visibility in each stream and the conditions considered necessary for adequate observations. Approaches to valley, starting points, and any known hazards are described from aerial surveyor's notes and the editor's knowledge of the area.

Intertidal zone

Length. --The distance is given in miles from mean high to mean low tide, obtained from aerial photographs measured to the nearest tenth of a mile. Where low tide locations were not known the measurement was made from the edge of tidal flats visible in the photographs.

Average width. --These estimates in feet, based on observations by various individuals.

Average depth. --These are estimates in inches, or in feet in larger systems, based on observation by various individuals.

Gradient. -- Estimates in degrees from horizontal, based on observation by various individuals.

Velocity. --Estimates in feet per second during normal water levels, based on observation by various individuals.

Bottom. --A description is given of the composition such as gravel (range from 1/4 inch to over 5 inches in diameter, arbitrary division point), mud, silt, organic materials, broken and water-washed rock, boulders, large rocks, bedrock, etc., according to observations by various individuals.

Low tide location. -- The location of the mean low tide point is an approximation and is given only where it falls near good identification points, usually found in restricted stream outlets.

High tide location. --The mean high tide location generally has been found to correspond to the tree line. Other methods of locating the high tides, such as markers, are described when present.

Salmon schooling areas. -- The areas are usually found near high tide where pools often occur. The areas are described with reference to the mean high tide mark. Annual variations in streambeds may alter locations of schooling areas.

Spawning areas. -- Major areas are described with reference to the high tide mark. Location may change with change in stream conditions.

General notes. -- This includes notes pertinent to the intertidal stream that are of interest and importance in the description of runs.

Upstream

Length accessible. -- The length given in miles was measured from aerial photographs along the course of the stream to the known upper limits of salmon migration. Where barriers restrict major species but allow more vigorous species to pass, secondary species limits are given under "Barriers."

Gradient. -- Slope was estimated in degrees from horizontal, based on observation by various individuals.

Velocity. --It is in feet per second during normal water levels and is an estimate from observations by various individuals.

Bottom. --A description is given whether gravel (range from 1/4 inch to over 5 inches in diameter, arbitrary division point), mud, silt, organic materials, broken and water-washed rock, boulders, bedrock, etc., are present, from observations by various individuals.

Marker distance. -- Distance is given in miles along stream course to standard termination point for salmon counting.

Marker identification. --Description of an artificial marker or of identification feature marking termination point for salmon spawning surveys is given.

Barriers. --Distance and location above high tide point to known barriers, both passable and impassable, are listed. Descriptions are also given when available.

Tributaries. --Tributaries used by spawning salmon are listed by distance from the mouth of the main stream, by direction, and by importance. Tributaries not used by salmon, but numerous, are mentioned under "Drainage."

Salmon schooling areas. --Based on survey records, major salmon schooling areas are listed where specific locations have been observed for an individual stream.

Spawning areas. -- Major areas are described by distance above high tide or from a reference point in the stream.

General notes. -- The notes include data pertinent to the upstream areas that are of interest and importance in the description of salmon escapements.

Escapement Record

Statistical area number. -- The number used by the Alaska Department of Fish and Game to designate the statistical area as given on the upper left side of the heading.

Stream name. -- This appears in the center of the first line of the heading.

Stream number. --The new and old numbers appear on the right side of the first line of the heading on the first page of the escapement record. The following pages give only the new number.

Date surveyed. --Surveys are listed chronologically.

Miles surveyed. -- Distances are given as measured along stream course to the termination point of the regular survey. Ground surveys are designated by "G" and aerial by "A." These symbols precede miles surveyed.

Surveyed by. --Initials of surveying organizations are listed as follows: Alaska Department of Fish and Game, ADF&G; Alaska Salmon Industry, ASI; Fisheries Research Institute, FRI; U. S. Fish and

Wildlife Service, Bureau of Commercial Fisheries, FWS; and U. S. Forest Service, USFS.

Pink, chum, other species. -- Abundance of salmon observed during surveys is given as a numerical estimate. Estimates of secondary species are usually less reliable than those for the primary species. Estimates of dead salmon of all species usually are very general, having been based on the percentage of the count.

Remarks. -- Adjective ratings are given first when available. The ratings range from poor to excellent and describe the abundance of salmon for the surveyed date only. They do not indicate seasonal escapement abundance. Other notes entered in this column include survey conditions, behavior and distribution of salmon, and salmon observations beyond stated survey distances.

MAPPING SYMBOLS

North

LANDFORMS

Bank

Bedrock

Boulders

Canyon

Dry Channel

Glacier

Gorge

Gravel

Hill
Low or Rolling Grade

Steep Grade

Ridge

Sand (bar)

MARKERS

Fish and Wildlife
Limit Marker

Forest Service
Trail Marker

HT
High Tide Marker

Marker

Section Marker

Stream Gage

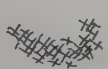
ROUTES

Railroad

Road

Trail (type designated)

STRUCTURES


Beaver Dam

Bridge

Cabin
Instrument Shelter

Cable Crossing

Dam

Pier

Piling

Weir

Windfall

VEGETATION

Brush

Grass

Muskeg

Stump

Trees
Conifers

Deciduous

WATER FORMS

Anchorage

Channel (in sand
and gravel)

Falls

Fathom

Float

Pool

Rapids

Riffle

Stream Entrance

Tidal Area (sand and
gray value)

Water (gray value)

ALPHABETICAL INDEX OF SALMON STREAMS

AIKEN CREEK, Clarence Strait, Moira Sound, North Arm, Aiken Cove, S. W. head	K 137	(127B)
CABIN CREEK, Clarence Strait, Skowl Arm, Polk Inlet, W. shore 7.6 miles from head	K 169	(142E)
CANNERY CREEK, Clarence Strait, Cholmondeley Sound, West Arm, S. shore 5.7 miles from head	K 152	(135)
Cholmondeley Sound, .8 mile E. of entrance to Sunny Cove, Clarence Strait	K 156A	(133C)
Cholmondeley Sound, 1 mile S.W. of Lancaster Cove, Clarence Strait	K 142	(130C)
Cholmondeley Sound, South Arm, S.W. head, Clarence Strait	K 151	(134A)
Cholmondeley Sound, S. shore 1.6 miles W. of entrance to Kitkun Bay, Clarence Strait	K 146	(131F)
Cholmondeley Sound, West Arm, Head, Clarence Strait	K 155	(137)
Cholmondeley Sound, West Arm, N. shore .5 mile from head, Clarence Strait	K 155A	(137A)
Clarence Strait, 5 miles S. of Windy Point	K 140	(129)
Clarence Strait, 2 miles N. of Forss Cove	K 185	
Clover Bay, .3 mile from head, Clarence Strait	K 158	(137C)
CLOVER CREEK, Clarence Strait, Clover Bay, Head	K 157	(137B)
Coal Bay, Head, Kasaan Bay, Clarence Strait	K 173	(143A)
Dickman Bay, N. head of N. arm, Clarence Strait, Moira Sound, West Arm	K 135B	
Dickman Bay, N.E. head of N. arm, Clarence Strait, Moira Sound, West Arm	K 135	
Dickman Bay, N.W. head of S. arm, Clarence Strait, Moira Sound, West Arm	K 134B	
Dickman Bay, S. shore 1.5 miles from W. head, Clarence Strait, Moira Sound, West Arm	K 134	
Dickman Bay, W. head of N. arm, Clarence Strait, Moira Sound, West Arm	K 135A	(125D)
Dickman Bay, W. head of S. arm, Clarence Strait, Moira Sound, West Arm	K 134A	
DISAPPEARANCE CREEK, Clarence Strait, Cholmondeley Sound, South Arm, S. E. head	K 150	(134)
Doctor Point, 0.4 mile from point, Clarence Strait	K 159	(138B)
DOG SALMON CREEK, Clarence Strait, Skowl Arm, Polk Inlet, W. shore, 3 miles from head	K 167	(142G)
DOLOMI CREEK, Clarence Strait, Port Johnson, Dolomi Bay, Head	K 139	(128)
Dora Bay, S. shore 2 miles N. E. of head, Clarence Strait, Cholmondeley Sound	K 147	(132A)
Dora Bay, W. shore 1.2 miles from head, Clarence Strait, Cholmondeley Sound	K 149	(132B)
DORA CREEK, Clarence Strait, Cholmondeley Sound, Dora Bay, Head	K 148	(132)
Frederick Cove, S. W. head, Clarence Strait, Moira Sound, West Arm	K 133A	(125B)
FREDERICK CREEK, Clarence Strait, Moira Sound, West Arm, Frederick Cove, N. shore 1.5 miles from head	K 133	(125)
Goose Cove, Clarence Strait, Skowl Arm, Polk Inlet, S. head of S. E. arm	K 164	(142K)
GRAVELLY CREEK, Clarence Strait, Thorne Bay, left bank 1 mile up Thorne River	K 184-1	
HARRIS RIVER, Clarence Strait, Kasaan Bay, Twelvemile Arm, W. shore 8.2 miles from head	K 176	(144)
Hidden Bay, center head, Clarence Strait	K 126	(122E)
INDIAN CREEK, Clarence Strait, Kasaan Bay, Twelvemile Arm, W. shore 7.8 miles from head	K176-1	(144A)

IVES CREEK, Clarence Strait, Kasaan Bay, S. shore 2.5 miles W. of Baker Point	K 172	(143C)
JOHNSON CREEK, Clarence Strait, Moira Sound, Johnson Cove, S. W. head	K 127	(123)
KARTA RIVER, Clarence Strait, Kasaan Bay, Karta Bay, Head	K 178	(146)
Kasaan Bay, E. shore 2.7 miles from N. head, Clarence Strait	K 180A	
Kasaan Bay, N. head, Clarence Strait	K 180	
Kasaan Bay, N. shore 7.8 miles from N. head, Clarence Strait	K 181	
KEGAN CREEK, Clarence Strait, Moira Sound, Kegan Cove, Head	K 136	(126)
Kendrick Bay, N. shore 5 miles from head of West Arm, Clarence Strait	K 125	(122D)
Kendrick Bay, Short Arm, Head, Clarence Strait	K 123A	(122)
Kendrick Bay, South Arm, Head, Clarence Strait	K 123	(121)
Kendrick Bay, West Arm, Head, Clarence Strait	K 124	(122C)
KINA CREEK, Clarence Strait, Kasaan Bay, Kina Cove, Head	K 174	(143)
Kitkun Bay, N. shore 2.5 miles from head, Clarence Strait, Cholmondeley Sound	K 145	(131E)
Kitkun Bay, S. shore 1.25 miles from head, Clarence Strait, Cholmondeley Sound	K 144	(131A)
Kitkun Bay, S. shore 3 miles from head, Clarence Strait, Cholmondeley Sound	K 143	(131)
LAGOON CREEK, Clarence Strait, Cholmondeley Sound, West Arm, S. shore 3.1 miles from head	K 154	(136)
Lancaster Cove, Head, Clarence Strait, Cholmondeley Sound	K 141	(130)
McKenzie Inlet, E. head, Clarence Strait, Skowl Arm	K 161	(142B)
McKenzie Inlet, W. shore 1.7 miles from head, Clarence Strait, Skowl Arm	K 162A	(142M)
McLean Arm, Head of N. arm, Clarence Strait	K 122A	(120A)
McLean Arm, S. shore 2 miles from head of N.W. arm, Clarence Strait	K 121	(119)
McLean Arm, S. shore 2.5 miles from head of N.W. arm, Clarence Strait	K 121A	(119A)
MAYBESO CREEK, Clarence Strait, Kasaan Bay, Twelvemile Arm, N. shore 10 miles from head	K 177	(144B)
MILLER CREEK, Clarence Strait, Moira Sound, North Arm, Head	K 138	(127)
Moira Sound, South Arm, Head, Clarence Strait	K 131	(124C)
Moira Sound, South Arm, N.W. shore 1 mile from head, Clarence Strait	K 132	(124D)
Moira Sound, South Arm, S. shore 1 mile from head, Clarence Strait	K 130	(124B)
Moira Sound, South Arm, S. shore 1.5 miles from head, Clarence Strait	K 129	(124A)
Nowiskay Cove, Head, Clarence Strait, Moira Sound, North Arm	K 138A	(127C)
Nichols Bay, Head of N. arm, Dixon Entrance	K 119	(118A)
OLD FRANKS CREEK, Clarence Strait, Skowl Arm, Polk Inlet, N. shore 8 miles from head	K 170	(142D)
OLD TOMS CREEK, Clarence Strait, Skowl Arm, Paul Bight, S. head	K 163	(142)
OMAR CREEK, Clarence Strait, Skowl Arm, McKenzie Inlet, S. head	K 162	(142A)

PERKINS CREEK, Clarence Strait, Moira Sound, South Arm, S. E. shore 4 miles	K 128	(124)
POLK CREEK, Clarence Strait, Skowl Arm, Polk Inlet, Head	K 165	(142I)
Polk Inlet, E. shore 1.8 miles from head, Clarence Strait, Skowl Arm	K 165A	(142J)
Polk Inlet, W. shore 3.5 miles from head, Clarence Strait, Skowl Arm	K 168	(142F)
ROCK CREEK, Clarence Strait, Skowl Arm, Polk Inlet, 0.3 mile N. W. of head	K 166	(142H)
Saltery Cove, S. head, Clarence Strait, Skowl Arm	K 160A	(141A)
SALTERY CREEK, Clarence Strait, Skowl Arm, Saltery Cove, S. E. head	K 160	(141)
Skowl Arm, N. shore 0.7 mile W. of Old Kasaan National Monument, Clarence Strait	K 171A	(142L)
Skowl Arm, N. shore 2 miles W. of Old Kasaan National Monument, Clarence Strait	K 171	(142C)
Stone Rock Bay, S. tip of bay, Dixon Entrance	K 120	(118C)
SUNNY CREEK, Clarence Strait, Cholmondeley Sound, Sunny Cove, Head	K 156	(133)
THORNE RIVER, Clarence Strait, Thorne Bay, N. head	K 184	(149)
Tolstoi Bay, E. shore 1.8 miles from head, Clarence Strait	K 183A	(148A)
Tolstoi Bay, Head, Clarence Strait	K 183	(148)
TOM CREEK, Clarence Strait, Cholmondeley Sound, West Arm, S. shore 4 miles from head	K 153	(135A)
Twelvemile Arm, N. shore 10.3 miles from head, Clarence Strait, Kasaan Bay	K 177A	(144C)
Twelvemile Arm, W. shore 3.2 miles from head, Clarence Strait, Kasaan Bay	K 175B	(145B)
Twelvemile Arm, W. shore 2.7 miles from head, Clarence Strait, Kasaan Bay	K 175A	(145A)
TWELVEMILE CREEK, Clarence Strait, Kasaan Bay, Twelvemile Arm, Head	K 175	(145)
Windfall Harbor, Head, Clarence Strait	K 182	(147)
YOUNG CREEK, Clarence Strait, Kasaan Bay, N. W. head	K 179	(146A)

NUMERICAL INDEX OF SALMON STREAMS

K 119	(118A)	Dixon Entrance, Nichols Bay, Head of N. arm
K 120	(118C)	Dixon Entrance, Stone Rock Bay, S. tip of bay
K 121	(119)	Clarence Strait, McLean Arm, S. shore 2 miles from head of N. W. arm
K 121A	(119A)	Clarence Strait, McLean Arm, S. shore 2.5 miles from head of N. W. arm
K 122A	(120A)	Clarence Strait, McLean Arm, Head of N. arm
K 123	(121)	Clarence Strait, Kendrick Bay, South Arm, Head
K 123A	(122)	Clarence Strait, Kendrick Bay, Short Arm, Head
K 124	(122C)	Clarence Strait, Kendrick Bay, West Arm, Head
K 125	(122D)	Clarence Strait, Kendrick Bay, N. shore 5 miles from head of West Arm
K 126	(122E)	Clarence Strait, Hidden Bay, Center head
K 127	(123)	JOHNSON CREEK, Clarence Strait, Moira Sound, Johnson Cove, S. W. head
K 128	(124)	PERKINS CREEK, Clarence Strait, Moira Sound, South Arm, S. E. shore 4 miles from head
K 129	(124A)	Clarence Strait, Moira Sound, South Arm, S. shore 1.5 miles from head
K 130	(124B)	Clarence Strait, Moira Sound, South Arm, S. shore 1 mile from head
K 131	(124C)	Clarence Strait, Moira Sound, South Arm, Head
K 132	(124D)	Clarence Strait, Moira Sound, South Arm, N. W. shore 1 mile from head
K 133	(125)	Clarence Strait, Moira Sound, West Arm, Frederick Cove, N. shore 1.5 miles from head
K 133A	(125B)	Clarence Strait, Moira Sound, West Arm, Frederick Cove, S. W. head
K 134	(125)	Clarence Strait, Moira Sound, West Arm, Dickman Bay, S. shore 1.5 miles from W. head
K 134A		Clarence Strait, Moira Sound, West Arm, Dickman Bay, W. head of S. arm
K 134B		Clarence Strait, Moira Sound, West Arm, Dickman Bay, N. W. head of S. arm
K 135		Clarence Strait, Moira Sound, West Arm, Dickman Bay, N. E. head of N. arm
K 135A	(125D)	Clarence Strait, Moira Sound, West Arm, Dickman Bay, W. head of N. arm
K 135B		Clarence Strait, Moira Sound, West Arm, Dickman Bay, N. head of N. arm
K 136	(126)	KEGAN CREEK, Clarence Strait, Moira Sound, Kegan Cove, Head
K 137	(127B)	AIKEN CREEK, Clarence Strait, Moira Sound, North Arm, Aiken Cove, S. W. head
K 138	(127)	MILLER CREEK, Clarence Strait, Moira Sound, North Arm, Head
K 138A	(127C)	Clarence Strait, Moira Sound, North Arm, Nowiskay Cove, Head
K 139	(128)	DOLOMI CREEK, Clarence Strait, Port Johnson, Dolomi Bay, Head
K 140	(129)	Clarence Strait, 5 miles S. of Windy Point
K 141	(130)	Clarence Strait, Cholmondeley Sound, Lancaster Cove, Head
K 142	(130C)	Clarence Strait, Cholmondeley Sound, 1 mile S. W. of Lancaster Cove
K 143	(131)	Clarence Strait, Cholmondeley Sound, Kitkun Bay, S. shore 3 miles from head

K 144	(131A)	Clarence Strait, Cholmondeley Sound, Kitkun Bay, S. shore 1.25 miles from head
K 145	(131E)	Clarence Strait, Cholmondeley Sound, Kitkun Bay, N. shore 2.5 miles from head
K 146	(131F)	Clarence Strait, Cholmondeley Sound, S. shore 1.6 miles W. of entrance to Kitkun Bay
K 147	(132A)	Clarence Strait, Cholmondeley Sound, Dora Bay, S. shore 2 miles N. E of head
K 148	(132)	DORA CREEK, Clarence Strait, Cholmondeley Sound, Dora Bay, Head
K 149	(132B)	Clarence Strait, Cholmondeley Sound, Dora Bay, W shore 1.2 miles from head
K 150	(134)	DISAPPEARANCE CREEK, Clarence Strait, Cholmondeley Sound, South Arm, S. E. head
K 151	(134A)	Clarence Strait, Cholmondeley Sound, South Arm, S. W. head
K 152	(135)	CANNERY CREEK, Clarence Strait, Cholmondeley Sound, West Arm, S. shore 5.7 miles from head
K 153	(135A)	TOM CREEK, Clarence Strait, Cholmondeley Sound, West Arm, S. shore 4 miles from head
K 154	(136)	LAGOON CREEK, Clarence Strait, Cholmondeley Sound, West Arm, S. shore 3.1 miles from head
K 155	(137)	Clarence Strait, Cholmondeley Sound, West Arm, Head
K 155A	(137A)	Clarence Strait, Cholmondeley Sound, West Arm, N. shore 0.5 mile from head
K 156	(133)	SUNNY CREEK, Clarence Strait, Cholmondeley Sound, Sunny Cove, Head
K 156A	(133C)	Clarence Strait, Cholmondeley Sound, 0.8 mile E. of entrance to Sunny Cove
K 157	(137B)	CLOVER CREEK, Clarence Strait, Clover Bay, Head
K 158	(137C)	Clarence Strait, Clover Bay, 0.3 mile from head
K 159	(138B)	Clarence Strait, Doctor Point, 0.4 mile from point
K 160	(141)	SALTERY CREEK, Clarence Strait, Skowl Arm, Saltery Cove, S. E. head
K 160A	(141A)	Clarence Strait, Skowl Arm, Saltery Cove, S. head
K 161	(142B)	Clarence Strait, Skowl Arm, McKenzie Inlet, E. head
K 162	(142A)	OMAR CREEK, Clarence Strait, Skowl Arm, McKenzie Inlet, S. head
K 162A	(142M)	Clarence Strait, Skowl Arm, McKenzie Inlet, W. shore 1.7 miles from head
K 163	(142)	OLD TOM CREEK, Clarence Strait, Skowl Arm, Paul Bight, S. head
K 164	(142K)	Goose Cove, Clarence Strait, Skowl Arm, Polk Inlet, S. head of S. E. arm
K 165	(142I)	POLK CREEK, Clarence Strait, Skowl Arm, Polk Inlet, Head
K 165A	(142J)	Clarence Strait, Skowl Arm, Polk Inlet, E. shore 1.8 miles from head
K 166	(142H)	ROCK CREEK, Clarence Strait, Skowl Arm, Polk Inlet, 0.3 mile N. W. of head
K 167	(142G)	DOG SALMON CREEK, Clarence Strait, Skowl Arm, Polk Inlet, W. shore 3 miles from head
K 168	(142F)	Clarence Strait, Skowl Arm, Polk Inlet, W. shore 3.5 miles from head
K 169	(142E)	CABIN CREEK, Clarence Strait, Skowl Arm, Polk Inlet, W. shore 7.6 miles from head
K 170	(142D)	OLD FRANKS CREEK, Clarence Strait, Skowl Arm, Polk Inlet, N. shore 8 miles from head
K 171	(142C)	Clarence Strait, Skowl Arm, N. shore 2 miles W. of Old Kasaan National Monument
K 171A	(142L)	Clarence Strait, Skowl Arm, N. shore 0.7 mile W. of Old Kasaan National Monument

K 172	(143C)	IVES CREEK, Clarence Strait, Kasaan Bay, S. shore 2.5 miles W. of Baker Point
K 173	(143A)	Clarence Strait, Kasaan Bay, Coal Bay, Head
K 174	(143)	KINA CREEK, Clarence Strait, Kasaan Bay, Kina Cove, Head
K 175	(145)	TWELVEMILE CREEK, Clarence Strait, Kasaan Bay, Twelvemile Arm, Head
K 175A	(145A)	Clarence Strait, Kasaan Bay, Twelvemile Arm, W. shore 2.7 miles from head
K 175B	(145B)	Clarence Strait, Kasaan Bay, Twelvemile Arm, W. shore 3.2 miles from head
K 176	(144)	HARRIS RIVER, Clarence Strait, Kasaan Bay, Twelvemile Arm, W. shore 8.2 miles from head
K 176-1	(144A)	INDIAN CREEK, Clarence Strait, Kasaan Bay, Twelvemile Arm, W. shore 7.8 miles from head
K 177	(144B	MAYBESO CREEK, Clarence Strait, Kasaan Bay, Twelvemile Arm, N. shore 10 miles from head
K 177A	(144C)	Clarence Strait, Kasaan Bay, Twelvemile Arm, N. shore 10.3 miles from head
K 178	(146)	KARTA RIVER, Clarence Strait, Kasaan Bay, Karta Bay, Head
K 179	(146A)	YOUNG CREEK, Clarence Strait, Kasaan Bay, N. W. head
K 180		Clarence Strait, Kasaan Bay, N. head
K 180A		Clarence Strait, Kasaan Bay, E. shore 2.7 miles from N. head
K 181		Clarence Strait, Kasaan Bay, N. shore 7.8 miles from N. head
K 182	(147)	Clarence Strait, Windfall Harbor, Head
K 183	(148)	Clarence Strait, Tolstoi Bay, Head
K 183A	(148A)	Clarence Strait, Tolstoi Bay, E. shore 1.8 miles from head
K 184	(149)	THORNE RIVER, Clarence Strait, Thorne Bay, N. head
K 184-1		GRAVELLY CREEK, Clarence Strait, Thorne Bay, left bank 1 mile up Thorne River
K 185		Clarence Strait, 2 miles N. of Forss Cove

113-11		
CLOVER CREEK, Clarence Strait, Clover Bay, Head	K 157	(137B)
Clarence Strait, Clover Bay, 0.3 mile from head	K 158	(137C)
Clarence Strait, Doctor Point, 0.4 mile from point	K 159	(138B)
113-12		
SALTERY CREEK, Clarence Strait, Skowl Arm, Saltery Cove, S. E. head	K 160	(141)
Clarence Strait, Skowl Arm, Saltery Cove, S. head	K 160A	(141A)
Clarence Strait, Skowl Arm, McKenzie Inlet, E. head	K 161	(142B)
OMAR CREEK, Clarence Strait, Skowl Arm, McKenzie Inlet, S. head	K 162	(142A)
Clarence Strait, Skowl Arm, McKenzie Inlet, W. shore 1.7 miles from head	K 162A	(142M)
OLD TOM CREEK, Clarence Strait, Skowl Arm, Paul Bight, S. head	K 163	(142)
Goose Cove, Clarence Strait, Skowl Arm, Polk Inlet, S. head of S. E. arm	K 164	(142K)
POLK CREEK, Clarence Strait, Skowl Arm, Polk Inlet, Head	K 165	(142I)
Clarence Strait, Skowl Arm, Polk Inlet, E. shore 1.8 miles from head	K 165A	(142J)
ROCK CREEK, Clarence Strait, Skowl Arm, Polk Inlet, 0.3 mile N. W. of head	K 166	(142H)
DOG SALMON CREEK, Clarence Strait, Skowl Arm, Polk Inlet, W. shore 3 miles from head	K 167	(142G)
Clarence Strait, Skowl Arm, Polk Inlet, W. shore 3.5 miles from head	K 168	(142F)
CABIN CREEK, Clarence Strait, Skowl Arm, Polk Inlet, W. shore 7.6 miles from head	K 169	(142E)
OLD FRANKS CREEK, Clarence Strait, Skowl Arm, Polk Inlet, N. shore 8 miles from head	K 170	(142D)
Clarence Strait, Skowl Arm, N. shore 2 miles W. of Old Kasaan National Monument	K 171	(142C)
Clarence Strait, Skowl Arm, N. shore 0.7 mile W. of Old Kasaan National Monument	K 171A	(142L)
IVES CREEK, Clarence Strait, Kasaan Bay, S. shore 2.5 miles W. of Baker Point	K 172	(143C)
Clarence Strait, Kasaan Bay, Coal Bay, Head	K 173	(143A)
KINA CREEK, Clarence Strait, Kasaan Bay, Kina Cove, Head	K 174	(143)
TWELVEMILE CREEK, Clarence Strait, Kasaan Bay, Twelvemile Arm, Head	K 175	(145)
Clarence Strait, Kasaan Bay, Twelvemile Arm, W. shore 2.7 miles from head	K 175A	(145A)
Clarence Strait, Kasaan Bay, Twelvemile Arm, W. shore 3.2 miles from head	K 175B	(145B)
HARRIS RIVER, Clarence Strait, Kasaan Bay, Twelvemile Arm, W. shore 8.2 miles from head	K 176	(144)
INDIAN CREEK, Clarence Strait, Kasaan Bay, Twelvemile Arm, W. shore 7.8 miles from head	K 176-1	(144A)
MAYBESO CREEK, Clarence Strait, Kasaan Bay, Twelvemile Arm, N. shore 10 miles from head	K 177	(144B)
Clarence Strait, Kasaan Bay, Twelvemile Arm, N. shore 10.3 miles from head	K 177A	(144C)
KARTA RIVER, Clarence Strait, Kasaan Bay, Karta Bay, Head	K 178	(146)

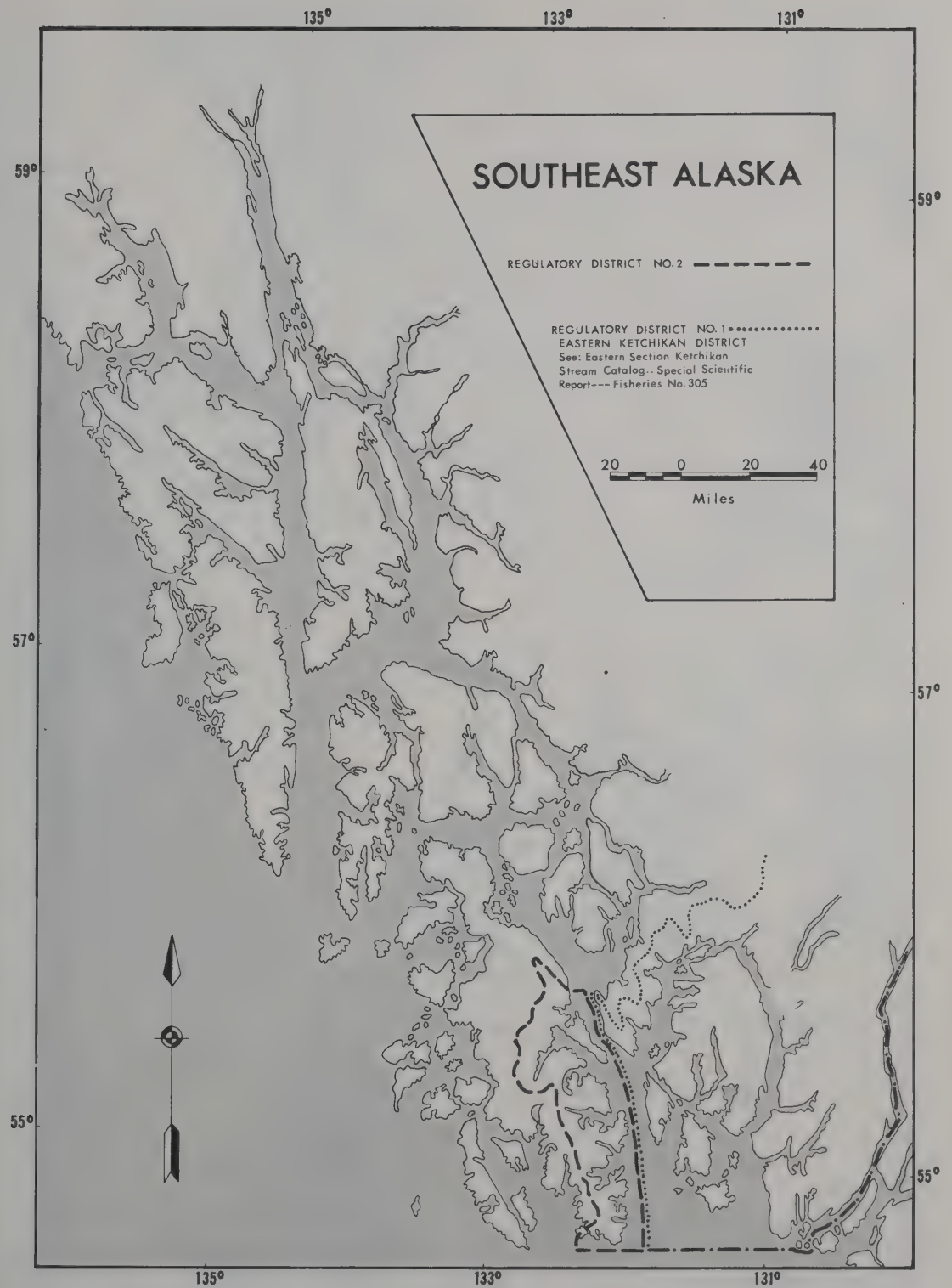
113-12		
YOUNG CREEK, Clarence Strait, Kasaan Bay, N. W. head	K 179	(146A)
Clarence Strait, Kasaan Bay, N. head	K 180	
Clarence Strait, Kasaan Bay, E. shore 2.7 miles from N. head	K 180A	
Clarence Strait, Kasaan Bay, N. shore 7.8 miles from N. head	K 181	
113-13		
Clarence Strait, Cholmondeley Sound, Lancaster Cove, Head	K 141	(130)
Clarence Strait, Cholmondeley Sound, 1 mile S. W. of Lancaster Cove	K 142	(130C)
Clarence Strait, Cholmondeley Sound, Kitkun Bay, S. shore 3 miles from head	K 143	(131)
Clarence Strait, Cholmondeley Sound, Kitkun Bay, S. shore 1.25 miles from head	K 144	(131A)
Clarence Strait, Cholmondeley Sound, Kitkun Bay, N. shore 2.5 miles from head	K 145	(131E)
Clarence Strait, Cholmondeley Sound, S. shore 1.6 miles W. of entrance to Kitkun Bay	K 146	(131F)
Clarence Strait, Cholmondeley Sound, Dora Bay, S shore 2 miles N. E. of head	K 147	(132A)
DORA CREEK, Clarence Strait, Cholmondeley Sound, Dora Bay, Head	K 148	(132)
Clarence Strait, Cholmondeley Sound, Dora Bay, W. shore 1.2 miles from head	K 149	(132B)
DISAPPEARANCE CREEK, Clarence Strait, Cholmondeley Sound, South Arm, S. E. head	K 150	(134)
Clarence Strait, Cholmondeley Sound, South Arm, S. W. head	K 151	(134A)
CANNERY CREEK, Clarence Strait, Cholmondeley Sound, West Arm, S. shore 5.7 miles from head	K 152	(135)
TOM CREEK, Clarence Strait, Cholmondeley Sound, West Arm, S shore 4 miles from head	K 153	(135A)
LAGOON CREEK, Clarence Strait, Cholmondeley Sound, West Arm, S. shore 3.1 miles from head	K 154	(136)
Clarence Strait, Cholmondeley Sound, West Arm, Head	K 155	(137)
Clarence Strait, Cholmondeley Sound, West Arm, N. shore 0.5 mile from head	K 155A	(137A)
SUNNY CREEK, Clarence Strait, Cholmondeley Sound, Sunny Cove, Head	K 156	(133)
Clarence Strait, Cholmondeley Sound, 0.8 mile E. of entrance to Sunny Cove	K 156A	(133C)
113-21		
DOLOMI CREEK, Clarence Strait, Port Johnson, Dolomi Bay, Head	K 139	(128)
Clarence Strait, 5 miles S. of Windy Point	K 140	(129)
113-23		
JOHNSON CREEK, Clarence Strait, Moira Sound, Johnson Cove, S. W. head	K 127	(123)
PERKINS CREEK, Clarence Strait, Moira Sound, South Arm, S. E shore 4 miles from head	K 128	(124)
Clarence Strait, Moira Sound, South Arm, S. shore 1.5 miles from head	K 129	(124A)
Clarence Strait, Moira Sound, South Arm, S. shore 1 mile from head	K 130	(124B)
Clarence Strait, Moira Sound, South Arm, Head	K 131	(124C)
Clarence Strait, Moira Sound, South Arm, N. W. shore 1 mile from head	K 132	(124D)

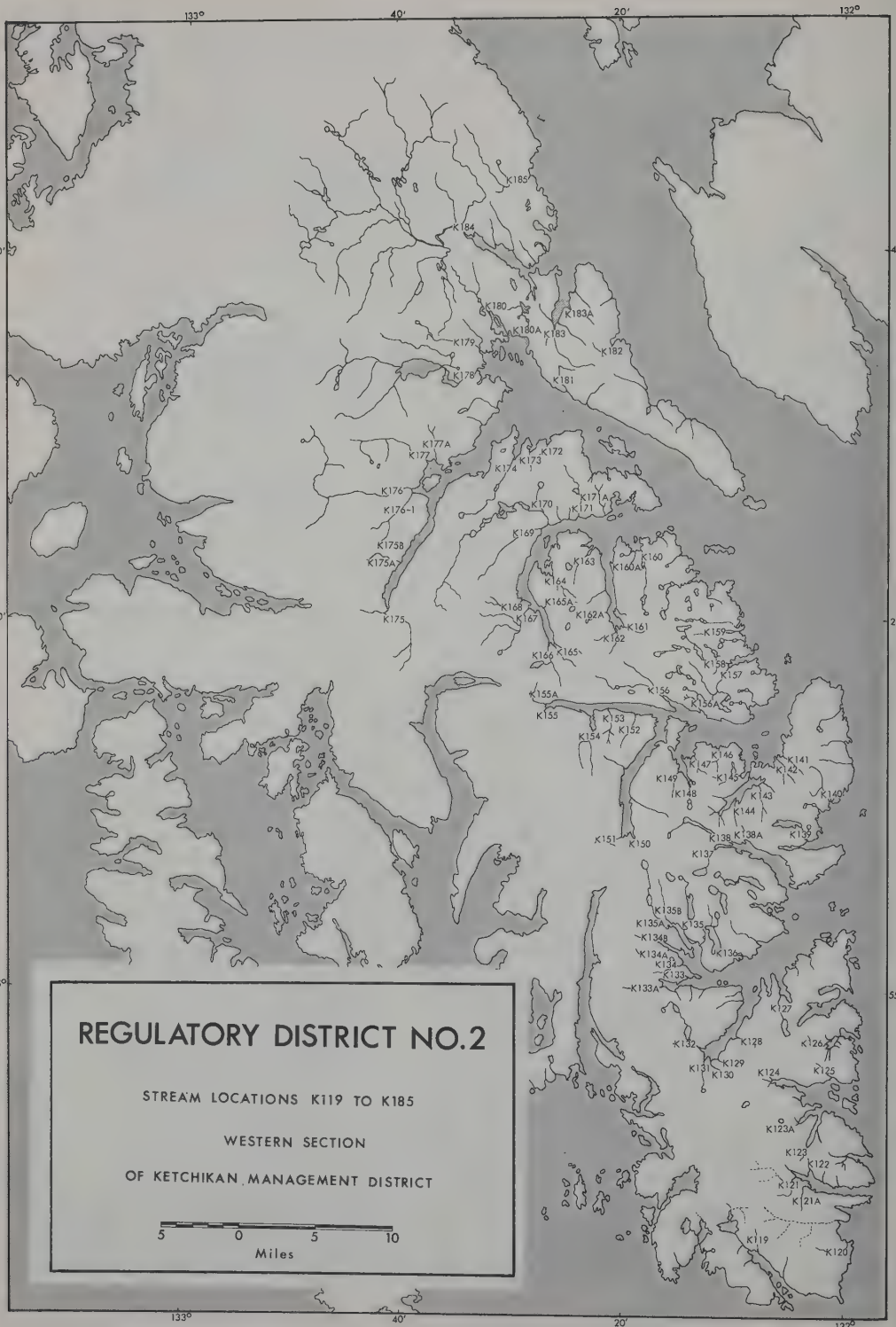
113-23

FREDERICK CREEK, Clarence Strait, Moira Sound, West Arm, Frederick Cove, S. shore 1.5 miles from head	K 133	(125)
Clarence Strait, Moira Sound, West Arm, Frederick Cove, S. W. head	K 133A	(125B)
Clarence Strait, Moira Sound, West Arm, Dickman Bay, S. shore 1.5 miles from W. head	K 134	(125)
Clarence Strait, Moira Sound, West Arm, Dickman Bay, W. head of S. arm	K 134A	
Clarence Strait, Moira Sound, West Arm, Dickman Bay, N. W. head of S. arm	K 134B	
Clarence Strait, Moira Sound, West Arm, Dickman Bay, N. E. head of N. arm	K 135	
Clarence Strait, Moira Sound, West Arm, Dickman Bay, W. head of N. arm	K 135A	(125D)
Clarence Strait, Moira Sound, West Arm, Dickman Bay, N. head of N. arm	K 135B	
KEGAN CREEK, Clarence Strait, Moira Sound, Kegan Cove, Head	K 136	(126)
AIKEN CREEK, Clarence Strait, Moira Sound, North Arm, Aiken Cove, S. W. head	K 137	(127B)
MILLER CREEK, Clarence Strait, Moira Sound, North Arm, Head	K 138	(127)
Clarence Strait, Moira Sound, North Arm, Nowiskay Cove, Head	K 138A	(127C)
Dixon Entrance, Nichols Bay, Head of N. arm	K 119	(118A)
Dixon Entrance, Stone Rock Bay, S. tip of bay	K 120	(118C)
Clarence Strait, McLean Arm, S. shore 2 miles from head of N. W. arm	K 121	(119)
Clarence Strait, McLean Arm, S. shore 2.5 miles from head of N. W. arm	K 121A	(119A)
Clarence Strait, McLean Arm, Head of N. arm	K 122A	(120A)
Clarence Strait, Kendrick Bay, South Arm, Head	K 123	(121)
Clarence Strait, Kendrick Bay, Short Arm, Head	K 123A	(122)
Clarence Strait, Kendrick Bay, West Arm, Head	K 124	(122C)
Clarence Strait, Kendrick Bay, N. shore 5 miles from head of West Arm	K 125	(122D)
Clarence Strait, Hidden Bay, Center Head	K 126	(122E)

114-10

Clarence Strait, Windfall Harbor, Head	K 182	(147)
Clarence Strait, Tolstoi Bay, Head	K 183	(148)
Clarence Strait, Tolstoi Bay, E. shore 1.8 miles from head	K 183A	(148A)
THORNE RIVER, Clarence Strait, Thorne Bay, N. head	K 184	(149)
Clarence Strait, 2 miles N. of Forss Cove	K 185	
Gravelly Creek, Clarence Strait, Thorne Bay, left bank 1 mile up Thorne River	K 184-1	


135°
133°
131°
59°
57°
55°
SOUTHEAST ALASKA
REGULATORY DISTRICT NO. 2
REGULATORY DISTRICT NO. 1
EASTERN KETCHIKAN DISTRICT
See: Eastern Section Ketchikan
Stream Catalog.. Special Scientific
Report--- Fisheries No. 305
20 0 20 40
Miles



REGULATORY DISTRICT NO. 2

STREAM LOCATIONS K119 TO K185

WESTERN SECTION

OF KETCHIKAN MANAGEMENT DISTRICT

5 0 5 10

Miles

113-30 NICHOLS CREEK K 119
54° 44.5' N. 132°10' W. Previous No. 118A

KETCHIKAN, DIXON ENTRANCE, NICHOLS BAY, Head of N. arm

MAJOR SPECIES Red OTHER SPECIES Coho, pink
ESCAPEMENT TIMING Late (estimated) ESCAPEMENT MAGNITUDE
SPAWNING FACILITIES Poor. The presence of large amounts of bedrock and coarse rock limits the spawning to a small amount of stream.
STREAM TEMPERATURES Warm range (estimated).
VALLEY DESCRIPTION
DRAINAGE 8 square miles (polar planimeter). Drains Nichols Lake and several other small lakes which lie in a large muskeg area.
STREAM MOUTH IDENTIFICATION Enters the northwest end of Nichols Bay through a narrow 1,500' estuary.
ANCHORAGE There are 2 anchorages in the bay, one in each of 2 bights on the S.W. shore. For directions on entering see U.S. Coast Pilot.
TRAILS AND SURVEY ROUTES No trails. The stream banks are heavily wooded. For easiest traveling, follow the right bank.
AERIAL SURVEY NOTES The dark muskeg water makes conditions for aerial observation poor.

INTERTIDAL ZONE

LENGTH 0.3 mile AVERAGE WIDTH/DEPTH 100'/36"
GRADIENT AND VELOCITIES Gentle
BOTTOM Rock
LOW TIDE LOCATION
HIGH TIDE LOCATION
SCHOOLING AREAS Salmon tend to school off the mouth near the S.W. shore of the bay.
SPAWNING AREAS Spawning activity has not been observed in this zone.
GENERAL NOTES

UPSTREAM

LENGTH ACCESSIBLE 0.7 mile to lake AVERAGE WIDTH/DEPTH 75'/6'
GRADIENT AND VELOCITIES Gentle
BOTTOM Mainly bedrock.
MARKER DISTANCE
MARKER IDENTIFICATION
BARRIERS None.
SCHOOLING AREAS Many small pools.
SPAWNING AREAS The middle section of stream has the highest percent spawning area. Above and below this section spawning areas are limited. It has not been reported if any or all of the reds go to the lake to spawn or utilize the stream. Limited spawning occurs in the stream between the first and second lakes.

ESCAPEMENT RECORD

[Counts made by ground surveys are designated by G. Aerial surveys by A]

Date	SURVEYED Miles	By	PINK Live	PINK Dead	CHUM Live	CHUM Dead	OTHER SPECIES Live	REMARKS Adjective rating
1949								
Sep 4	G .5	FWS	2,000					Few dead pink
1955								
Aug 26	A	FWS					100 red	2,000 at mouth
1956								
July 8		FWS					1,500 red	500 red at mouth
July 14		FWS					500 red	300 red at mouth
July 17		FWS					600 red ,	1,500 red at mouth
July 20		FWS					1,500 red	
July 21		FWS					300 red	
July 22		FWS					50 red	
July 29		FWS					75 red	
July 30		FWS					150 red	
Aug. 4		FWS					600 red	
Aug. 6		FWS					60 red	
Aug. 25		FWS						3,000-5,000 coho, pink
1957								
July 17		FWS					150 red	
July 17		FWS					500 red	
July 22		FWS					3,000 red	
July 24		FWS					250 red	
1961								
Sep 1	A	ADF&G						No fish observed off mouth

113-30 K 120
54°45'12" N. 132°01'12" W. Previous No. 118C

KETCHIKAN, DIXON ENTRANCE, STONE ROCK BAY, S. tip of Bay

MAJOR SPECIES Chum, pink
OTHER SPECIES
ESCAPEMENT TIMING Late (estimated)
ESCAPEMENT MAGNITUDE
SPAWNING FACILITIES
STREAM TEMPERATURES None observed.
VALLEY DESCRIPTION
DRAINAGE 2 square miles (polar planimeter).
STREAM MOUTH IDENTIFICATION The mouth is located on the northern side of the point which is at the W. end of the bay.
ANCHORAGE Small fish craft anchor close to shore, but use of this bay for anything but temporary anchorage is not recommended.
TRAILS AND SURVEY ROUTES
AERIAL SURVEY NOTES Not surveyed by air.
GENERAL NOTES The little information available on this stream indicated it was not an important salmon producer.

INTERTIDAL ZONE

LENGTH
AVERAGE WIDTH/DEPTH
GRADIENT AND VELOCITIES
BOTTOM
LOW TIDE LOCATION
HIGH TIDE LOCATION
SCHOOLING AREAS
SPAWNING AREAS
GENERAL NOTES

UPSTREAM

LENGTH ACCESSIBLE
AVERAGE WIDTH/DEPTH 20'-30'/4"-6"
GRADIENT AND VELOCITIES
BOTTOM
MARKER DISTANCE
MARKER IDENTIFICATION
BARRIERS Reported to be blocked by a falls 100 yards upstream.
TRIBUTARIES
SCHOOLING AREAS
SPAWNING AREAS
GENERAL NOTES

ESCAPEMENT RECORD

[Counts made by ground surveys are designated by G. Aerial surveys by A]

	SURVEYED		PINK		CHUM		OTHER SPECIES	REMARKS
Date	Miles	By	Live	Dead	Live	Dead	Live	Adjective rating
1930								
Sep 20	G 0.1	FWS						2,000 chum, pink in stream

113-30
K 121
Falls
HT
0.25 Mile

113-30 K 121
54°47.8' N. 132°03.7' W. Previous No. 119

KETCHIKAN, CLARENCE STRAIT, McLEAN ARM, S. shore 2 miles from head of N. W. arm

MAJOR SPECIES Not reported OTHER SPECIES
ESCAPEMENT TIMING Late (estimated) ESCAPEMENT MAGNITUDE
SPAWNING FACILITIES Spawning facilities appear to be good in the lower reaches, but the upstream area is of unknown quality.
STREAM TEMPERATURES Warm range (estimated).
VALLEY DESCRIPTION Heavily wooded. About 2 miles in length and 2 miles in width at its widest point.
DRAINAGE 2 square miles (polar planimeter). Precipitation fed.
STREAM MOUTH IDENTIFICATION The mouth lies on the S. side of the point at the entrance to the southerly arm. Enters the S. W. corner of a small bight.
ANCHORAGE The southerly arm of this bay is best for anchoring.
TRAILS AND SURVEY ROUTES No trails.
AERIAL SURVEY NOTES Not surveyed by air.
GENERAL NOTES Only one record of escapement to this stream was found. It included only the number of fish and not the species composition or other physical features.

INTERTIDAL ZONE

LENGTH AVERAGE WIDTH/DEPTH
GRADIENT AND VELOCITIES
BOTTOM
LOW TIDE LOCATION
HIGH TIDE LOCATION
SCHOOLING AREAS
SPAWNING AREAS
GENERAL NOTES

UPSTREAM

LENGTH ACCESSIBLE AVERAGE WIDTH/DEPTH 30'-40'/4"-6"
GRADIENT AND VELOCITIES
BOTTOM
MARKER DISTANCE
MARKER IDENTIFICATION
BARRIERS A falls a short distance above the beach presents at least a partial block to salmon.
TRIBUTARIES
SCHOOLING AREAS
SPAWNING AREAS The lower reaches appear to have good spawning facilities.
GENERAL NOTES

ESCAPEMENT RECORD

[Counts made by ground surveys are designated by G. Aerial surveys by A]

	SURVEYED		PINK		CHUM		OTHER SPECIES	REMARKS
Date	Miles	By	Live	Dead	Live	Dead	Live	Adjective rating
1947								
Aug 28	G	FRI						No fish seen

113-30
54°47.5' N. 132°03.2' W.

K 121A
Previous No. 119A

KETCHIKAN, CLARENCE STRAIT, McLEAN ARM , S. shore 2.5 miles from head of N.W. arm

MAJOR SPECIES None observed
OTHER SPECIES
ESCAPEMENT TIMING Late (estimated)
ESCAPEMENT MAGNITUDE
SPAWNING FACILITIES
STREAM TEMPERATURES Warm range (estimated).
VALLEY DESCRIPTION The valley terminates in a snow-capped mountain. East of the stream the valley wall rises sharply.
DRAINAGE 1 square miles (polar planimeter). Drains a muskeg lake one-half mile above the mouth. The lake is about 200 yards long and 100 yards wide.
STREAM MOUTH IDENTIFICATION Runs into McLean Arm 0.25 mile E. of K 121.
ANCHORAGE Refer to K 121.
TRAILS AND SURVEY ROUTES
AERIAL SURVEY NOTES Too small for aerial survey.
GENERAL NOTES A small stream. Salmon have not been observed in this stream the few times it was surveyed.

INTERTIDAL ZONE

LENGTH
AVERAGE WIDTH/DEPTH
GRADIENT AND VELOCITIES
BOTTOM
LOW TIDE LOCATION
HIGH TIDE LOCATION
SCHOOLING AREAS
SPAWNING AREAS
GENERAL NOTES

UPSTREAM

LENGTH ACCESSIBLE
AVERAGE WIDTH/DEPTH
GRADIENT AND VELOCITIES
BOTTOM
MARKER DISTANCE
MARKER IDENTIFICATION
BARRIERS
TRIBUTARIES
SCHOOLING AREAS
SPAWNING AREAS
GENERAL NOTES A small stream with an easy ascent into salt water and a stream bed apparently well suited for spawning.

ESCAPEMENT RECORD

[Counts made by ground surveys are designated by G. Aerial surveys by A]

SURVEYED			PINK		CHUM		OTHER SPECIES	REMARKS
Date	Miles	By	Live	Dead	Live	Dead	Live	Adjective rating
1947								
Aug. 28	G 0.5	FRI						No fish. Stream high & discolored

113-30
K 122A
N
Barrier Falls
(Approximate Location)
HT
0.25 Mile

113-30
54°48.8' N. 132°03.5' W.

K 122A
Previous No. 120A

KETCHIKAN, CLARENCE STRAIT, McLEAN ARM, Head of N. arm

MAJOR SPECIES Pink, chum
OTHER SPECIES
ESCAPEMENT TIMING Late (estimated)
ESCAPEMENT MAGNITUDE
SPAWNING FACILITIES Good in the intertidal zone limited in the area above the high tide mark. The heaviest spawning takes place in the intertidal zone.
STREAM TEMPERATURES Warm range (estimated). No observed temperatures.
VALLEY DESCRIPTION The valleys run N. and then W. to the base of 2,340' mountain. Wooded except along the mountain where there is considerable bedrock. Extends about halfway to Kendrick Bay.
DRAINAGE 1 square mile (polar planimeter). Precipitation fed. Surface runoff and snowmelt are the water source of this stream. A few muskeg areas are also drained.
STREAM MOUTH IDENTIFICATION Enters the head of the northerly arm.
ANCHORAGE See K 121.
TRAILS AND SURVEY ROUTES
AERIAL SURVEY NOTES Come in along the E. side of the valley and make a 180° turn down the creek. Maintains an altitude of at least 500'.
GENERAL NOTES This stream offers spawning facilities for only a couple thousand feet. Observations are lacking.

INTERTIDAL ZONE

LENGTH 200 yards
AVERAGE WIDTH/DEPTH
GRADIENT AND VELOCITIES
BOTTOM
LOW TIDE LOCATION
HIGH TIDE LOCATION
SCHOOLING AREAS
SPAWNING AREAS The largest part of the spawning occurs in this zone.
GENERAL NOTES

UPSTREAM

LENGTH ACCESSIBLE
AVERAGE WIDTH/DEPTH 8'-12'/4"
GRADIENT AND VELOCITIES
BOTTOM Gravel
MARKER DISTANCE
MARKER IDENTIFICATION
BARRIERS Falls a short distance upstream block the ascent of salmon.
TRIBUTARIES
SCHOOLING AREAS Very few pools.
SPAWNING AREAS
GENERAL NOTES The stream splits just above tidewater.

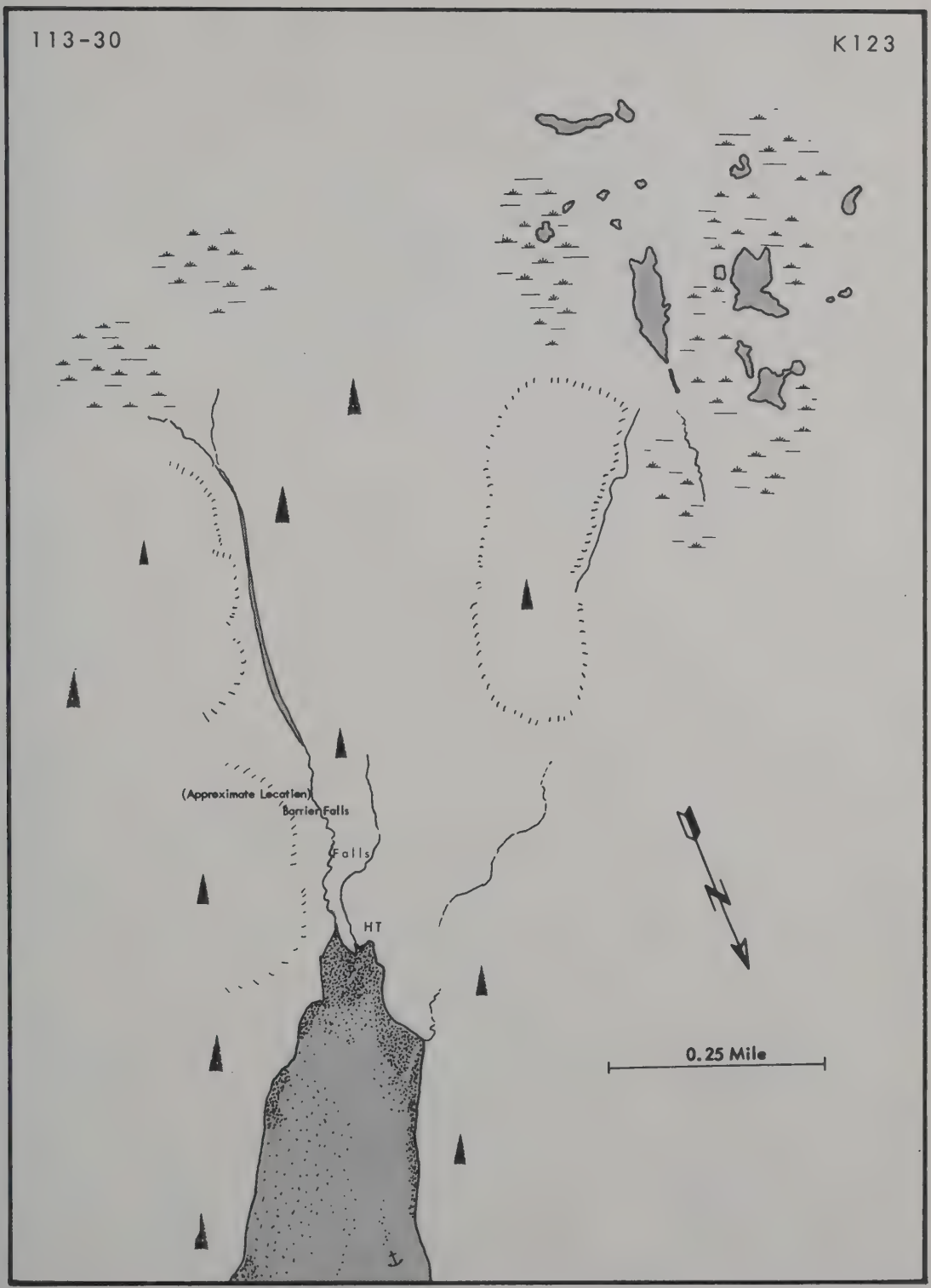
ESCAPEMENT RECORD

[Counts made by ground surveys are designated by G. Aerial surveys by A]

Date	SURVEYED Miles	By	PINK Live	PINK Dead	CHUM Live	CHUM Dead	OTHER SPECIES Live	REMARKS Adjective rating
1930								
Sep. 20	G	FWS	1,000					1,500 fish off mouth
1947								
Aug 29	G 0.2	FRI						No fish or carcasses seen

113-30

K123



113-30 K 123
54°48.8' N. 132°03.5' W. Previous No. 121

KETCHIKAN, CLARENCE STRAIT, KENDRICK BAY, SOUTH ARM, Head

MAJOR SPECIES None reported OTHER SPECIES
ESCAPEMENT TIMING Late (estimated) ESCAPEMENT MAGNITUDE
SPAWNING FACILITIES Limited by falls to the first 250 yards above the high tide mark.
STREAM TEMPERATURES Warm range (estimated). No observed temperatures.
VALLEY DESCRIPTION A short stream cut valley less than 1 mile in length. Heavily wooded near the mouth. Slopes are of moderate to steep gradient.
DRAINAGE 1 square mile (polar planimeter). Precipitation fed. Drains numerous scattered muskeg areas.
STREAM MOUTH IDENTIFICATION Lies at the head of South Arm.
ANCHORAGE Both the South Arm and the North Arm afford good anchorage for small craft. The West Arm is about 2 miles long, foul for 0.5 mile, and should be entered during low water.
TRAILS AND SURVEY ROUTES An easy stream to hike.
AERIAL SURVEY NOTES
GENERAL NOTES Salmon have not been observed in this stream. Could support only a small number of spawners.

INTERTIDAL ZONE

LENGTH AVERAGE WIDTH/DEPTH
GRADIENT AND VELOCITIES
BOTTOM
LOW TIDE LOCATION
HIGH TIDE LOCATION
SCHOOLING AREAS
SPAWNING AREAS
GENERAL NOTES

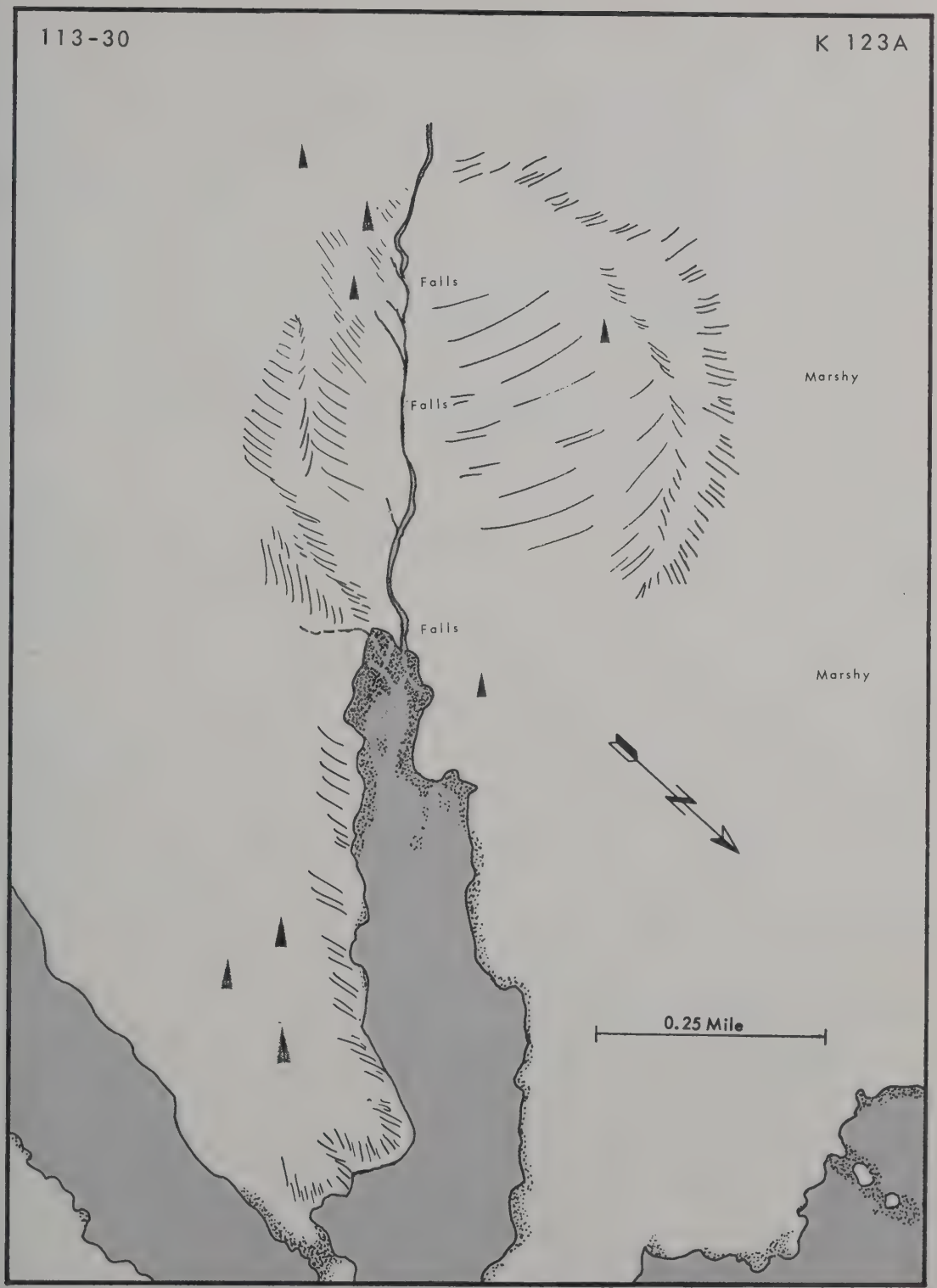
UPSTREAM

LENGTH ACCESSIBLE AVERAGE WIDTH/DEPTH 15'
GRADIENT AND VELOCITIES
BOTTOM
MARKER DISTANCE
MARKER IDENTIFICATION
BARRIERS Three falls are found 250 yards upstream. The first two are passable, but the third is 15' high and presents a total block to salmon.
TRIBUTARIES
SCHOOLING AREAS Pools 3' to 4' deep afford cover for fish.
SPAWNING AREAS The only spawning facilities are found in the first 250 yards above the high tide mark.
GENERAL NOTES

ESCAPEMENT RECORD

[Counts made by ground surveys are designated by G. Aerial surveys by A]

	SURVEYED		PINK		CHUM		OTHER SPECIES	REMARKS
Date	Miles	By	Live	Dead	Live	Dead	Live	Adjective rating
1947								
Sep 6	G 0.3	FRI						No fish or signs of fish seen
1961								
Sep 1	A	ADF&G						None observed
Sep 8	A	ADF&G						None observed
Sep 20	A	ADF&G			100			300 fresh fish at mouth


113-30
K 123A
Falls
Falls
Falls
Marshy
Marshy
0.25 Mile

113-30
54°51.6' N. 132°04.5' W.

K 123A
Previous No. 122

KETCHIKAN, CLARENCE STRAIT, KENDRICK BAY, SHORT ARM, Head

MAJOR SPECIES None reported
OTHER SPECIES
ESCAPEMENT TIMING
ESCAPEMENT MAGNITUDE
SPAWNING FACILITIES
STREAM TEMPERATURES
VALLEY DESCRIPTION Glacial origin. The stream runs along the S. E. side of the valley. The valley wall on this side has a steep gradient.
DRAINAGE 1.3 square miles (polar planimeter). Precipitation fed. Snow fields at the headquaters contribute as a water source along with surface runoff.
STREAM MOUTH IDENTIFICATION The stream enters the head of Short Arm.
ANCHORAGE Refer to K 123.
TRAILS AND SURVEY ROUTES
AERIAL SURVEY NOTES
GENERAL NOTES This arm was examined for salmon streams in 1947 by the FRI and no streams which looked suitable for salmon were found. No record of spawning. A small stream.

INTERTIDAL ZONE

LENGTH
AVERAGE WIDTH/DEPTH
GRADIENT AND VELOCITIES
BOTTOM
LOW TIDE LOCATION
HIGH TIDE LOCATION
SCHOOLING AREAS
SPAWNING AREAS
GENERAL NOTES

UPSTREAM

LENGTH ACCESSIBLE
AVERAGE WIDTH/DEPTH
GRADIENT AND VELOCITIES
BOTTOM
MARKER DISTANCE
MARKER IDENTIFICATION
BARRIERS
TRIBUTARIES
SCHOOLING AREAS
SPAWNING AREAS
GENERAL NOTES

ESCAPEMENT RECORD

[Counts made by ground surveys are designated by G. Aerial surveys by A]

Date	SURVEYED Miles	By	PINK Live	PINK Dead	CHUM Live	CHUM Dead	OTHER SPECIES Live	REMARKS Adjective rating
1947								
Sep 5	G	FRI						No fish

113-30
54° N. 132°06.9' W.

K 124
Previous No. 122C

KETCHIKAN, CLARENCE STRAIT, KENDRICK BAY, WEST ARM, Head

MAJOR SPECIES Pink
OTHER SPECIES Chum
ESCAPEMENT TIMING Late (estimated)
ESCAPEMENT MAGNITUDE
SPAWNING FACILITIES
STREAM TEMPERATURES Warm range (estimated)
VALLEY DESCRIPTION
DRAINAGE 9 square miles (polar planimeter).
STREAM MOUTH IDENTIFICATION The stream empties into the head of the West Arm
ANCHORAGE Refer to K 121. A float and dock are on edge of tideflat on N. shore.
TRAILS AND SURVEY ROUTES Road has been constructed up the valley to Bokan Mountain.
AERIAL SURVEY NOTES
GENERAL NOTES The stream does not appear to be of much importance.

INTERTIDAL ZONE

LENGTH 0.1 mile
AVERAGE WIDTH/DEPTH
GRADIENT AND VELOCITIES
BOTTOM
LOW TIDE LOCATION
HIGH TIDE LOCATION
SCHOOLING AREAS
SPAWNING AREAS
GENERAL NOTES

UPSTREAM

LENGTH ACCESSIBLE
AVERAGE WIDTH/DEPTH 10'-12'/2"-3"
GRADIENT AND VELOCITIES
BOTTOM Coarse gravel.
MARKER DISTANCE
MARKER IDENTIFICATION
BARRIERS
TRIBUTARIES
SCHOOLING AREAS
SPAWNING AREAS
GENERAL NOTES The stream loses itself in brush and windfalls just above the intertidal zone.

ESCAPEMENT RECORD

[Counts made by ground surveys are designated by G. Aerial surveys by A]

Date	SURVEYED Miles	By	PINK- Live	Dead	CHUM Live	Dead	OTHER SPECIES Live	REMARKS Adjective rating
1937								
Oct 5	G	FWS	3,000	1,000				Large escapement for this stream
1947								
Sep 5	G 0.3	FRI						Few fingerling. No adult salmon

113-30
54°54.2' N. 132°01.3' W.

K 125
Previous No. 122D

KETCHIKAN, CLARENCE STRAIT, KENDRICK BAY, N. shore 5 miles from head of W. arm

MAJOR SPECIES Pink
OTHER SPECIES
ESCAPEMENT TIMING Late (estimated)
ESCAPEMENT MAGNITUDE
SPAWNING FACILITIES Reported to have little spawning area for its size.
STREAM TEMPERATURES Warm range (estimated).
VALLEY DESCRIPTION
DRAINAGE 3 square miles (estimated).
STREAM MOUTH IDENTIFICATION Enters Kendrick Bay from the N., about 1.5 miles inside the bay entrance.
ANCHORAGE Good anchorage and shelter for small craft can be found among the islands at the entrance to Kendrick Bay. Care must be taken in entering.
TRAILS AND SURVEY ROUTES
AERIAL SURVEY NOTES
GENERAL NOTES A small stream--scant escapement record.

INTERTIDAL ZONE

LENGTH
AVERAGE WIDTH/DEPTH
GRADIENT AND VELOCITIES
BOTTOM
LOW TIDE LOCATION
HIGH TIDE LOCATION
SCHOOLING AREAS
SPAWNING AREAS
GENERAL NOTES

UPSTREAM

LENGTH ACCESSIBLE
AVERAGE WIDTH/DEPTH
GRADIENT AND VELOCITIES
BOTTOM Coarse broken rock.
MARKER DISTANCE
MARKER IDENTIFICATION
BARRIERS One-third mile upstream there is a 3' passable falls, 1,000' above this there is a 14' falls which is a total block to salmon.
TRIBUTARIES
SCHOOLING AREAS Good sized pools provide cover for fish.
SPAWNING AREAS
GENERAL NOTES

ESCAPEMENT RECORD

[Counts made by ground surveys are designated by G. Aerial surveys by A]

Date	SURVEYED Miles	By	PINK Live	PINK Dead	CHUM Live	CHUM Dead	OTHER SPECIES Live	REMARKS Adjective rating
1937								
Oct 5	G	FWS	3,000					Very good escapement
1947								
Aug 2	G 0.1	FRI						Many coho fingerling. No adult

113-30
54°55.8' N. 132°01.4' W.

K 126
Previous No. 122E

KETCHIKAN, CLARENCE STRAIT, HIDDEN BAY, Center head

MAJOR SPECIES Pink, chum
OTHER SPECIES
ESCAPEMENT TIMING Late (estimated)
ESCAPEMENT MAGNITUDE
SPAWNING FACILITIES Good
STREAM TEMPERATURES Warm range. No temperature observations.
VALLEY DESCRIPTION
DRAINAGE 2 square miles (estimated).
STREAM MOUTH IDENTIFICATION The mouth lies at the head of the bay. There are 2 streams in this corner - this stream is the most easterly.
ANCHORAGE Suitable for small craft only. See U. S. Coast Pilot.
TRAILS AND SURVEY ROUTES
AERIAL SURVEY NOTES

INTERTIDAL ZONE

LENGTH
AVERAGE WIDTH/DEPTH
GRADIENT AND VELOCITIES
BOTTOM
LOW TIDE LOCATION
HIGH TIDE LOCATION
SCHOOLING AREAS
SPAWNING AREAS
GENERAL NOTES

UPSTREAM

LENGTH ACCESSIBLE 0.5 mile to falls
AVERAGE WIDTH/DEPTH
GRADIENT AND VELOCITIES
BOTTOM
MARKER DISTANCE
MARKER IDENTIFICATION
BARRIERS An impassable falls is found 0.5 mile upstream.
TRIBUTARIES
SCHOOLING AREAS
SPAWNING AREAS In the distance from high tide to the falls there is reportedly good spawning ground for the size of the stream.
GENERAL NOTES

ESCAPEMENT RECORD

[Counts made by ground surveys are designated by G. Aerial surveys by A]

Date	SURVEYED Miles	By	PINK Live	PINK Dead	CHUM Live	CHUM Dead	OTHER SPECIES Live	REMARKS Adjective rating
1930								
Sep 21	G 0.5	FWS	100		200			Good
1957								
Sep 5	G	FWS	2,700		0			Few off mouth

113-23
JOHNSON CREEK
K 127
N
HT
0.25 Mile

113-23 K 127

54°58.6' N. 132°05.9' W. JOHNSON CREEK Previous No. 123

KETCHIKAN, CLARENCE STRAIT, MOIRA SOUND, JOHNSON COVE, S.W. head

MAJOR SPECIES Pink, chum OTHER SPECIES

ESCAPEMENT TIMING Late. Sept.-Oct. ESCAPEMENT MAGNITUDE

SPAWNING FACILITIES Good in the upper intertidal zone. Excellent throughout the entire upstream area.

STREAM TEMPERATURES Warm range. 57° F., 9/22/52.

VALLEY DESCRIPTION The right fork runs through a short shallow valley from the lake to its confluence with the left fork. Above the lake the valley is generally flat with numerous muskeg areas.

DRAINAGE 6.5 square miles (polar planimeter). The right fork drains a lake 1.2 miles long and 0.3 mile wide. The left fork is fed by surface run off.

STREAM MOUTH IDENTIFICATION The mouth is located about half way down the W. shore in a small bight and enters the cove from the south on the west side of a wooded point.

ANCHORAGE West of Black Point the sound has not been surveyed and boats must navigate with caution. Good anchorage is found in Keegan Bay for small boats. In the past there has been a float anchored here.

TRAILS AND SURVEY ROUTES A good trail follows the right side of the stream. Easily waded when water is at normal level.

AERIAL SURVEY NOTES Good for aerial survey.

INTERTIDAL ZONE

LENGTH 0.3 mile AVERAGE WIDTH/DEPTH 40'-60'/12"-24"

GRADIENT AND VELOCITIES Moderate

BOTTOM Gravel

LOW TIDE LOCATION

HIGH TIDE LOCATION At the upper end of the pool lying above the cleared area on the E. side of the creek.

SCHOOLING AREAS Fish school in several pools throughout this zone.

GENERAL NOTES

UPSTREAM

LENGTH ACCESSIBLE 1.5 miles to a lake AVERAGE WIDTH/DEPTH 40'/10"

GRADIENT AND VELOCITIES Moderate

BOTTOM Gravel.

MARKER DISTANCE

MARKER IDENTIFICATION

BARRIERS None.

TRIBUTARIES None reported.

SCHOOLING AREAS There are pools scattered throughout the stream which are utilized by the fish for schooling.

SPAWNING AREAS Fish spawn throughout the main stream and the east fork. Distribution of fish is nearly uniform during years of substantial runs.

GENERAL NOTES The stream branches about 0.5 mile above the tidal zone, and about 0.5 mile up the right branch there is a lake. The left fork is the smallest, has the least number of spawning salmon.

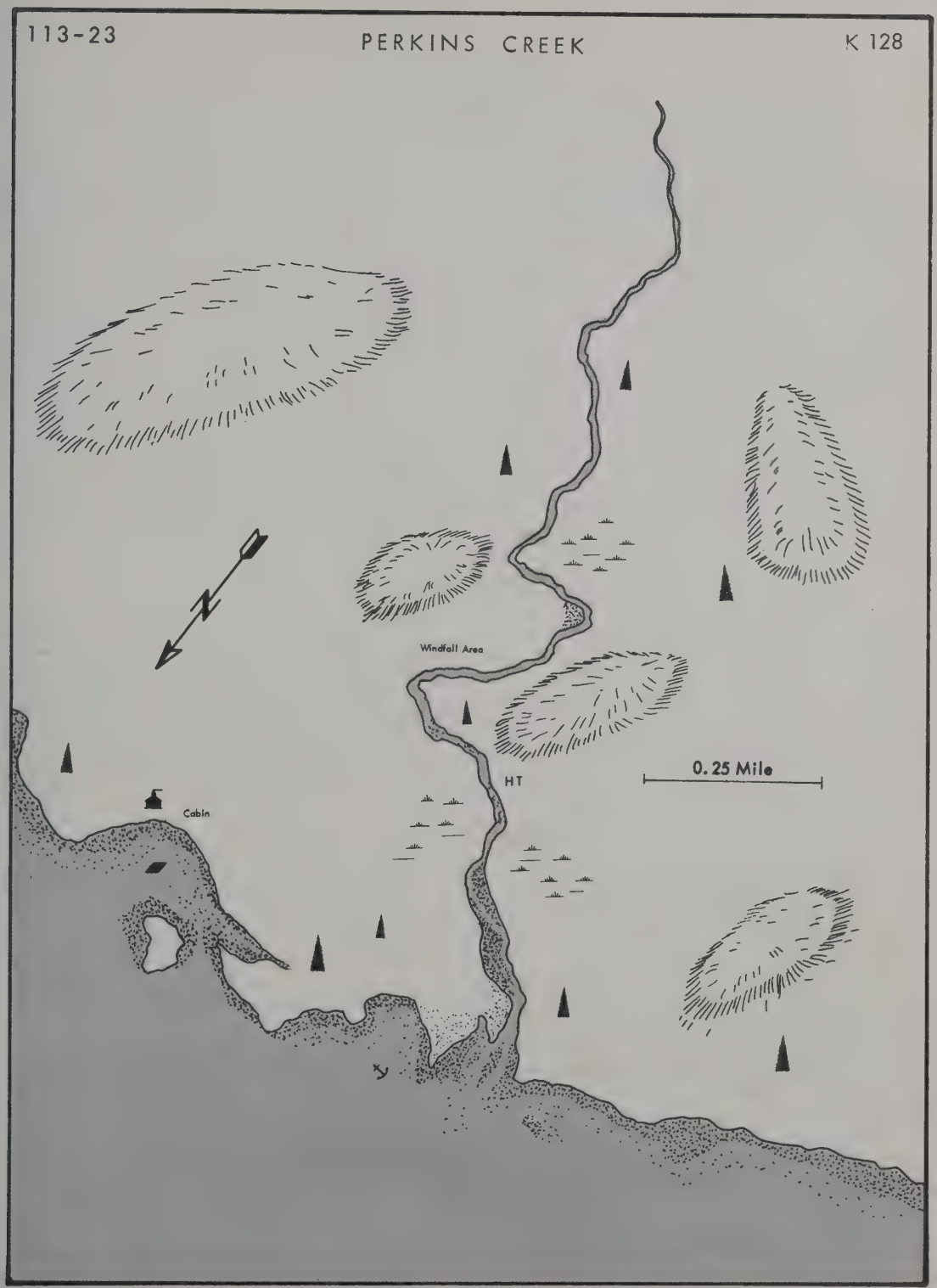
JOHNSON CREEK

K 127
Previous No. 123

ESCAPEMENT RECORD

[Counts made by ground surveys are designated by G. Aerial surveys by A]

Date	SURVEYED Miles	By	PINK Live	PINK Dead	CHUM Live	CHUM Dead	OTHER SPECIES Live	REMARKS Adjective rating
1930								
Sep 21		FWS	7,500		17,000			Well seeded. Cove full of fish
1940								
Sep 26	G 1.0	FWS	45,000		5,000			Excellent. 20,000 fish off mouth
1941								
Oct 4	G 1.0	FWS	10,000					Good
1945								
Sep 27	G 1.0	FWS	50,000		15,000			Excellent. 6,000 fish off mouth
1947								
Oct 11	G 0.3	FRI	15,000					
1952								
Sep 9	G 0.3	FRI	650	0	350	0	50 coho	Run just starting
Sep 22	G 0.3	FRI	580	0	850	0	Few coho	Fair showing of pink at mouth
Oct 6	G 0.3	FRI	520	90	2,820	3,800	Several coho	
1953								
June 26	G	FWS						Few pink, some red
Aug 22	G	FWS						No fish showing
Sep 1	G 1.0	FWS	35		2			Poor
1957								
Aug 26		FWS	250		250			
Aug 28		FWS	250		250			
Aug 30		FWS	300		300			
Sep 5		FWS	1,500					
Sep 11	G 0.9	FRI	20,000		350			2,000 pink off mouth
Sep 18		FWS						600 chum, 200 pink off mouth
1961								
Sep 1	A	ADF&G						None observed


113-23
PERKINS CREEK
K 128
N
Windfall Area
HT
0.25 Mile
Cabin

113-23 K 128
54°56.5' N. 132°10.1' W. PERKINS CREEK Previous No. 124

KETCHIKAN, CLARENCE STRAIT, MOIRA SOUND, SOUTH ARM, S.E. shore 4 miles from head

MAJOR SPECIES Pink, chum OTHER SPECIES Coho, red, trout
ESCAPEMENT TIMING Late. Sept.-Oct. ESCAPEMENT MAGNITUDE
SPAWNING FACILITIES Good in the area above the intertidal bedrock rapids. Fair below the rapids.
STREAM TEMPERATURES Warm range. 44° F., 10/7/49; 47-50° F., 1950; 49° F., 9/22/51; 44° F., 9/27/51; 49° F., 9/22/52.
VALLEY DESCRIPTION The valley is flat for 2 miles upstream and then narrows to form a canyon. Southwest of the stream is a mountain with considerable bedrock outcrops.
DRAINAGE 4.5 square miles (polar planimeter). Precipitation fed. A few small muskeg areas are drained by this stream.
STREAM MOUTH IDENTIFICATION The stream empties into the south arm of Moira Sound from the E. side, about 1.5 miles from the head of the arm. The outlet into salt water is narrow with gravel beaches along both sides.
ANCHORAGE Refer to K 127. Temporary anchorage is available off the mouth.
TRAILS AND SURVEY ROUTES The stream is easily waded above the intertidal zone. Banks are fairly open. Follow the left bank for easiest travel.
AERIAL SURVEY NOTES Valley narrows about 2 miles upstream and aerial visibility becomes impaired. During a S.W. wind there are downdrafts of considerable force. Good light is considered necessary for adequate aerial survey.

INTERTIDAL ZONE

LENGTH 0.3 mile AVERAGE WIDTH/DEPTH 40'-50'/12"-18"
GRADIENT AND VELOCITIES Gentle to moderate
BOTTOM Gravel and coarse sand.
LOW TIDE LOCATION
HIGH TIDE LOCATION At the first bedrock rapids.
SCHOOLING AREAS Three pools are present which are utilized.
SPAWNING AREAS Several hundred yards of good spawning gravel are found in this zone.
GENERAL NOTES A bedrock rapid is located at the upper end of this zone; at times of low water fish appear to have difficulty passing it.

UPSTREAM

LENGTH ACCESSIBLE 3 miles AVERAGE WIDTH/DEPTH 30'/9"
GRADIENT AND VELOCITIES Moderate
BOTTOM Fine gravel, sand and some rock.
MARKER DISTANCE
MARKER IDENTIFICATION
BARRIERS None
TRIBUTARIES No spawning tributaries have been reported.
SCHOOLING AREAS Very few pools above the intertidal zone - fish school anywhere there are deep areas.
SPAWNING AREAS Spawning occurs throughout, but is heaviest just above the high tide mark.
GENERAL NOTES An old cabin and float are found on the N.E. side of the stream mouth.

ESCAPEMENT RECORD

[Counts made by ground surveys are designated by G. Aerial surveys by A]

Date	SURVEYED Miles	By	PINK Live	PINK Dead	CHUM Live	CHUM Dead	OTHER SPECIES Live	REMARKS Adjective rating
1930								
Sep 23	G 3.0	FWS	20,000		20,000		300 coho	
1940								
Sep 26	G 0.8	FWS	35,000					Excellent
1941								
Oct 4	G 1.5	FWS	40,000					Excellent
1942								
Sep 25	G 0.8	FWS	3,500		500			Poor. 6,000 fish off mouth
1947								
Oct 9	G 0.6	FRI	4,000		1,000			Good
1948								
Sep 7	G 1.0	ASI	5,500		1,000		100 coho, 20 red	Fair-good
Sep 13	G 1.3	ASI	7,000		600		100 coho, 200 red	Good
Sep 27	G 0.5	ASI	20,000		6,000			Good
Oct 5	G 0.1	ASI	4,000	200	500	100		Good
1949								
Sep 9	G 0.8	FRI	2,200	6	100	1	1 coho, 3 red	
Oct 7	G 0.8	FRI	5,700	700	2,000	470	180 coho	
1950								
Sep 14	G 0.8	FRI	1,500	25	650	153	119 red	
Sep 26	G 0.8	FRI	4,950	26	1,710	189	18 coho, 26 red	
Oct 5	G 0.8	FRI	4,260	678	1,340	752	57 coho, 23 red	
1951								
Sep 22	G 0.8	FRI	1,250	50	190	10	Few coho, 62 red	2,000 fish off mouth. Water low
Sep 27	G 0.6	FRI	1,100	135	170	40	10 coho, 60 red	2,000 chum, 5,000 pink at mouth
1952								
Sep 9	G 0.4	FRI	77	0	27	0	18 coho, 39 red	250 at mouth
Sep 22	G 0.8	FRI	319	0	92	0	7 coho, 8 red	100 at mouth
1953								
June 25	G 1.0	FWS	0	0	0	0		Water low
Aug 20	G	FWS	200	0	0	0		
Sep 7	G 0.1	FWS	0		0			
Sep 8	G 0.5	FRI	0	0	0	0		60 pink off mouth
Sep 20	G 0.8	FRI	20		50		10 coho	
1954								
Sep 25	A 0.8	FRI	2,500					None observed off mouth
1955								
Sep 19	A 0.8	FRI						Few chum and pink
Sep 25	A 0.8	FRI						Few pink. None at mouth
Sep 25	G	FWS	6,000		11,000			
1956								
Sep 9	A 0.8	FRI						Few pink. Several thousand at mouth
Sep 20	A 0.8	FRI	5,000					5,000-10,000 at mouth
Sep 29	A 0.8	FRI	20,000					Some at mouth spawning
1957								
Aug 25	A 0.8	FRI	0		0			Too early
Sep 15	A 0.8	FRI						Few pink. 500 pink at mouth
1958								
Sep 7	A	FWS						Poor visibility. 200 at mouth
Sep 20	A	FWS						Pink present. Poor visibility
1960								
Aug 25	A	ADF&G	0		0			None at mouth
Sep 2	A	ADF&G	0		0			None at mouth
Sep 6	A	ADF&G	0		0			None at mouth

SURVEYED			PINK		CHUM		OTHER SPECIES	REMARKS
Date	Miles	By	Live	Dead	Live	Dead	Live	Adjective rating
1961								
Aug 16	A	ADF&G						Several hundred in bay
Sep 1	A	ADF&G						None in stream
Sep 13	A	ADF&G						200 at mouth--none in stream
Sep 20	A	ADF&G			10			Vision fair

113-23 K 129
55.4' N. 132°12.4' W. Previous No. 124A

KETCHIKAN, CLARENCE STRAIT, MOIRA SOUND, SOUTH ARM, S. shore 1.5 miles from head

MAJOR SPECIES Pink, chum
OTHER SPECIES
ESCAPEMENT TIMING Late (estimated)
ESCAPEMENT MAGNITUDE
SPAWNING FACILITIES Fair
STREAM TEMPERATURES Warm range (estimated).
VALLEY DESCRIPTION
DRAINAGE 4 square miles (estimated).
STREAM MOUTH IDENTIFICATION Lies about 0.7 mile from the head of South Arm. Empties into the S.E. corner of the first small bay on the E. shore, W. of K 128.
ANCHORAGE Same as for K 127.
TRAILS AND SURVEY ROUTES
AERIAL SURVEY NOTES Not suitable for aerial survey.
GENERAL NOTES A small stream, but there have been some good sized escapements observed.

INTERTIDAL ZONE

LENGTH
AVERAGE WIDTH/DEPTH
GRADIENT AND VELOCITIES
BOTTOM Coarse broken rock
LOW TIDE LOCATION
HIGH TIDE LOCATION
SCHOOLING AREAS
SPAWNING AREAS
GENERAL NOTES

UPSTREAM

LENGTH ACCESSIBLE
AVERAGE WIDTH/DEPTH 12'/8"-12"
GRADIENT AND VELOCITIES Steep
BOTTOM Coarse broken rock
MARKER DISTANCE
MARKER IDENTIFICATION
BARRIERS
TRIBUTARIES
SCHOOLING AREAS
SPAWNING AREAS
GENERAL NOTES In 1947 a block was formed about 75 yards above the mouth preventing passage of fish upstream beyond this point.

ESCAPEMENT RECORD

[Counts made by ground surveys are designated by G. Aerial surveys by A]

Date	SURVEYED Miles	By	PINK Live	PINK Dead	CHUM Live	CHUM Dead	OTHER SPECIES Live	REMARKS Adjective rating
1942								
Sep 25	G	FWS	3,500					Poor
1946								
Oct 1	G 1.0	ASI-FWS						Fair
1947								
Oct 8	G 0.1	FRI	100		60			Poor
1953								
Aug 20	A	FWS						No jumps
Sep 20	G	FRI-FWS						Insignificant salmon stream
1960								
Aug 25	A	ADF&G	0		0			None at mouth
Sep 2	A	ADF&G	0		0			None at mouth
Sep 6	A	ADF&G	0		0			None at mouth

SURVEYED			PINK		CHUM		OTHER SPECIES	REMARKS
Date	Miles	By	Live	Dead	Live	Dead	Live	Adjective rating

113-23 K 130
54°55.1' N. 132°13.1' W. Previous No. 124B

KETCHIKAN, CLARENCE STRAIT, MOIRA SOUND, SOUTH ARM, S. shore 1 mile from head

MAJOR SPECIES Pink, chum OTHER SPECIES Coho, red
ESCAPEMENT TIMING Late (estimated) ESCAPEMENT MAGNITUDE
SPAWNING FACILITIES Fair. About 1.2 miles upstream a canyon begins and spawning facilities become poor.
STREAM TEMPERATURES Warm range (No observed temperatures).
VALLEY DESCRIPTION
DRAINAGE 2 square miles (estimated).
STREAM MOUTH IDENTIFICATION Empties into the S. W. corner of the first small bay W. of K 128 along the E. shore.
ANCHORAGE See K 127.
TRAILS AND SURVEY ROUTES Game trails, some distance from the stream, provide good hiking.
AERIAL SURVEY NOTES Not suitable for aerial survey.

INTERTIDAL ZONE

LENGTH AVERAGE WIDTH/DEPTH
GRADIENT AND VELOCITIES
BOTTOM
LOW TIDE LOCATION
HIGH TIDE LOCATION
SCHOOLING AREAS
SPAWNING AREAS
GENERAL NOTES

UPSTREAM

LENGTH ACCESSIBLE AVERAGE WIDTH/DEPTH 15'/14"
GRADIENT AND VELOCITIES Steep
BOTTOM Small rock.
MARKER DISTANCE
MARKER IDENTIFICATION
BARRIERS
TRIBUTARIES
SCHOOLING AREAS Numerous pools.
SPAWNING AREAS The best spawning areas lie below the canyon which begins 1.2 miles upstream.
GENERAL NOTES

ESCAPEMENT RECORD

[Counts made by ground surveys are designated by G. Aerial surveys by A]

	SURVEYED		PINK		CHUM		OTHER SPECIES	REMARKS
Date	Miles	By	Live	Dead	Live	Dead	Live	Adjective Rating
1947								
Oct 9	G 1.5	FRI	2,000		1,000		1 coho, 3 red	Good
1953								
Aug 20	A	FWS						No jumps
Sep 20	G	FRI-FWS						Insignificant salmon stream

113-23 K 131
54°55 N. 132°13.6' W. Previous No. 124C

KETCHIKAN, CLARENCE STRAIT, MOIRA SOUND, SOUTH ARM, Head

MAJOR SPECIES Pink, chum OTHER SPECIES
ESCAPEMENT TIMING Late (estimated) ESCAPEMENT MAGNITUDE
SPAWNING FACILITIES Spawning is limited almost entirely to the intertidal zone. A small part of each fork is also utilized.
STREAM TEMPERATURES Warm range (estimated).
VALLEY DESCRIPTION The stream flows through a flat open muskeg area.
DRAINAGE 6 square miles (estimated). Drains a large muskeg area.
STREAM MOUTH IDENTIFICATION The mouth lies at the head of South Arm. Enters from the S. into a small bay.
ANCHORAGE Same as for K 127.
TRAILS AND SURVEY ROUTES
AERIAL SURVEY NOTES Only the lower part of the stream is suitable for aerial survey.
GENERAL NOTES One of the better salmon streams in South Arm.

INTERTIDAL ZONE

LENGTH 0.25 mile AVERAGE WIDTH/DEPTH
GRADIENT AND VELOCITIES
BOTTOM
LOW TIDE LOCATION
HIGH TIDE LOCATION
SCHOOLING AREAS The fish school around the small island off the edge of the tidal flats.
SPAWNING AREAS Spawning takes place primarily in this zone.
GENERAL NOTES This stream is formed by 2 small streams which converge just above the mouth.

UPSTREAM

LENGTH ACCESSIBLE AVERAGE WIDTH/DEPTH
Right branch 10'/10"
Left branch 10'/18"

BOTTOM Right branch - coarse crushed rock and bedrock.
Left branch - gravel and rock
MARKER DISTANCE
MARKER IDENTIFICATION
BARRIERS
TRIBUTARIES
SCHOOLING AREAS
SPAWNING AREAS Not much spawning area is available above the high tide mark.
GENERAL NOTES

K 131
Previous No. 124C

ESCAPEMENT RECORD

[Counts made by ground surveys are designated by G. Aerial surveys by A]

Date	SURVEYED Miles	By	PINK Live	PINK Dead	CHUM Live	CHUM Dead	OTHER SPECIES Live	REMARKS Adjective rating
1946								
Oct 1	G 0.8	ASI-FWS						Fair. Right-hand stream
1947								
Oct 8	G 0.3	FRI	1,000		400			Good. Right-hand stream
Oct 8	G 0.8	FRI	2,000		1,000			Good. Left-hand stream
1953								
Aug 20	A	FWS						No jumps
Sep 20	G 0.3	FRI						Few chum, pink. Small stream
1954								
Sep 8	A	FRI						Pink present. Several thousand at mouth
1956								
Sep 2	G	FWS						15,000 pink at mouth
1957								
Sep 17	G	FWS						4,000-5,000 chum in bay outside
1961								
Aug 16	A	ADF&G						100 off mouth--none in stream
Sep 1	A	ADF&G						200 off mouth--none in stream
Sep 13	A	ADF&G						200 off mouth--none in stream
Sep 20	A	ADF&G						Fish present; water dark

113-23 K 132
54°55.8' N. 132°13.6' W. Previous No. 124D

KETCHIKAN, CLARENCE STRAIT, MOIRA SOUND, SOUTH ARM, N.W. shore 1 mile from head

MAJOR SPECIES Pink, chum OTHER SPECIES Coho
ESCAPEMENT TIMING Late (estimated). ESCAPEMENT MAGNITUDE
SPAWNING FACILITIES Excellent in the area below the forks and fair in the right fork below the falls.
STREAM TEMPERATURES Warm range (estimated).
VALLEY DESCRIPTION
DRAINAGE 8 square miles (estimated). Muskeg drainage area.
STREAM MOUTH IDENTIFICATION Enters at the head of the South Arm, from the W. The mouth is found in a protected bay behind a small island.
ANCHORAGE Same as for K 127.
TRAILS AND SURVEY ROUTES Game trails are found along the banks.
AERIAL SURVEY NOTES The water is muskeg colored, and good light is needed for making an aerial survey.
GENERAL NOTES Has had large escapements at times.

INTERTIDAL ZONE

LENGTH AVERAGE WIDTH/DEPTH
GRADIENT AND VELOCITIES
BOTTOM Gravel and bedrock.
LOW TIDE LOCATION
HIGH TIDE LOCATION At the second bedrock constriction just below the forks.
SCHOOLING AREAS
SPAWNING AREAS
GENERAL NOTES Very limited.

UPSTREAM

LENGTH ACCESSIBLE AVERAGE WIDTH/DEPTH 30'-40'/6"-12"
GRADIENT AND VELOCITIES Moderate
BOTTOM Small broken rock.
MARKER DISTANCE
MARKER IDENTIFICATION
BARRIERS Two falls a short distance up the right hand branch are impassable to salmon.
TRIBUTARIES
SCHOOLING AREAS
SPAWNING AREAS The main stem is reported to contain 30 to 60 percent available spawning area.
GENERAL NOTES

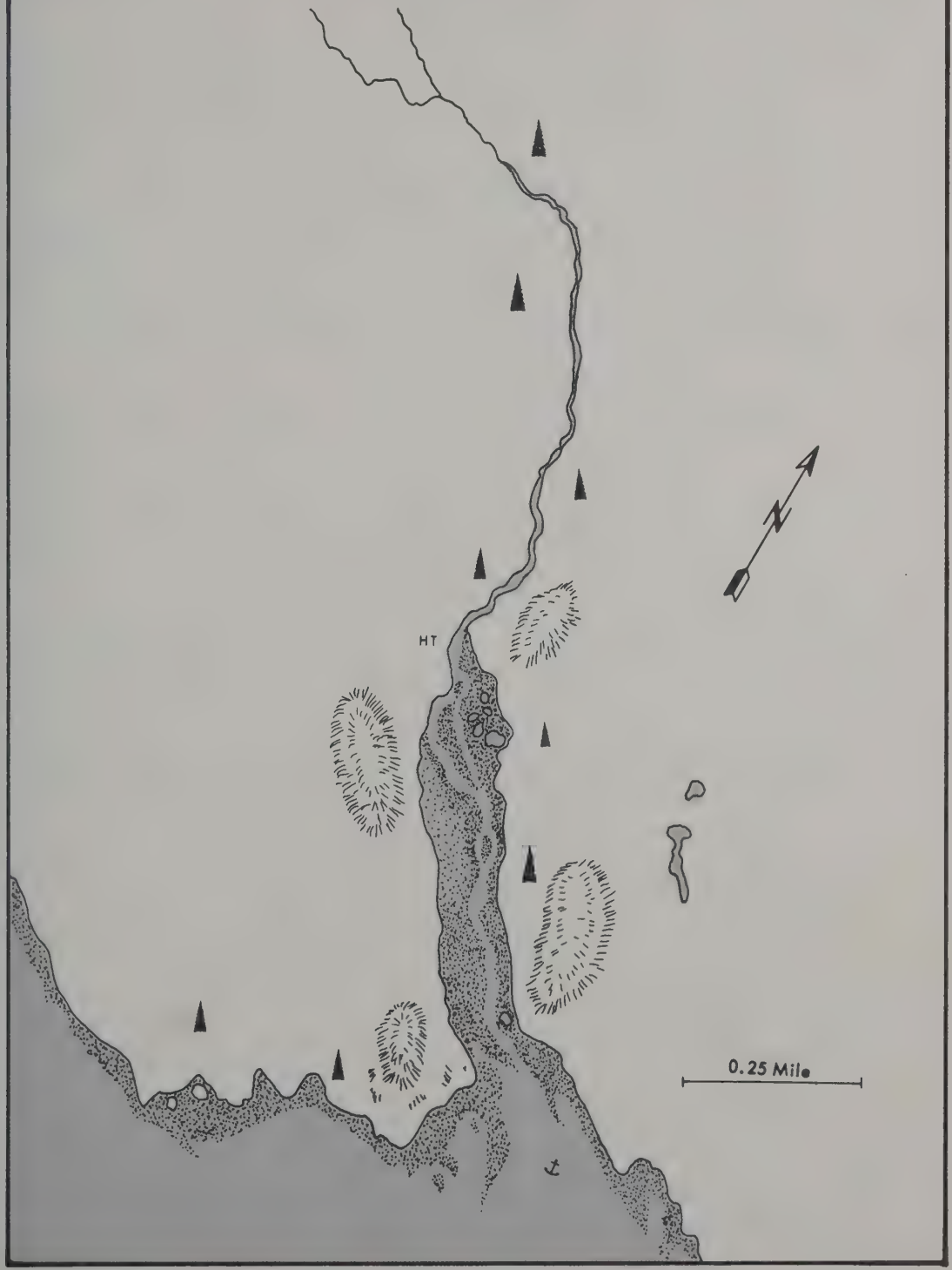
K 132

ESCAPEMENT RECORD

Previous No. 124D

[Counts made by ground surveys are designated by G. Aerial surveys by A]

Date	SURVEYED Miles	By	PINK Live	PINK Dead	CHUM Live	CHUM Dead	OTHER SPECIES Live	REMARKS Adjective rating
1930								
Sep 22		FWS	90,000		10,000		Few coho	Well seeded
1947								
Oct 9	G 0.5	FRI	20,800		8,000			Excellent
1948								
Aug 9	G 1.0	ASI						No fish present
Aug 16	G 0.5	ASI						No fish present
Aug 23	G 0.3	ASI						Few chum showing
Aug 30	G 1.5	ASI	10		15		25 coho	
Sep 7	G 0.5	ASI	2,000		1,000		100 coho	
Sep 13	G 1.0	ASI	8,500		1,050		25 coho	Good
Sep 22	G 1.0	ASI						Same amount of fish as last week
Sep 27	G 0.3	ASI	32,000		3,500			Good
Oct 5	G 1.0	ASI	16,000	5,000	3,200	3,000	250 coho	Good
1956								
Sep 2		FWS						20,000 pink at mouth
1957								
Sep 17		FWS						2,700 at mouth
1961								
Aug 16	A	ADF&G						200 at mouth, none in stream, water low
Sep 1	A	ADF&G						None in mouth or stream, water low
Sep 13	A	ADF&G						200 at mouth, none in stream, water low
Sep 20	A	ADF&G						None at mouth; fish present; visibility poor


HT
N
0.25 Mile

113-23 K 133

54°59.6' N. 132°16' W. FREDERICK CREEK Previous No. 125

KETCHIKAN, CLARENCE STRAIT, MOIRA SOUND, WEST ARM, FREDERICK COVE, N. shore 1.5 miles from head

MAJOR SPECIES Pink, chum OTHER SPECIES

ESCAPEMENT TIMING Late (estimated) ESCAPEMENT MAGNITUDE

SPAWNING FACILITIES Good throughout the intertidal zone and the first 500 yards above high tide.

STREAM TEMPERATURES Warm range (estimated).

VALLEY DESCRIPTION A short stream-cut valley. Rolling hills with heavy forestation. Valley rises steeply away from the tidal flat but becomes gentle upstream.

DRAINAGE 3 square miles (polar planimeter).

STREAM MOUTH IDENTIFICATION Enters about half way up the N. shore of Frederick Cove. Long tide flat, about 0.7 mile in length.

ANCHORAGE Same as for K 127.

TRAILS AND SURVEY ROUTES To avoid having skiff grounded approach the stream and anchor on the right-hand side.

AERIAL SURVEY NOTES Approach should be made up E. side of valley. A tight turn to left is required to begin downstream leg.

INTERTIDAL ZONE

LENGTH AVERAGE WIDTH/DEPTH 50'

GRADIENT AND VELOCITIES

BOTTOM

LOW TIDE LOCATION

HIGH TIDE LOCATION

SCHOOLING AREAS

SPAWNING AREAS This area appears to have good spawning facilities.

GENERAL NOTES

UPSTREAM

LENGTH ACCESSIBLE AVERAGE WIDTH/DEPTH 30'/24"

GRADIENT AND VELOCITIES Swift

BOTTOM Coarse rock.

MARKER DISTANCE

MARKER IDENTIFICATION

BARRIERS

TRIBUTARIES

SCHOOLING AREAS

SPAWNING AREAS The first 500 yards above high tide have good spawning facilities throughout. Above this area spawning facilities are less favorable.

GENERAL NOTES

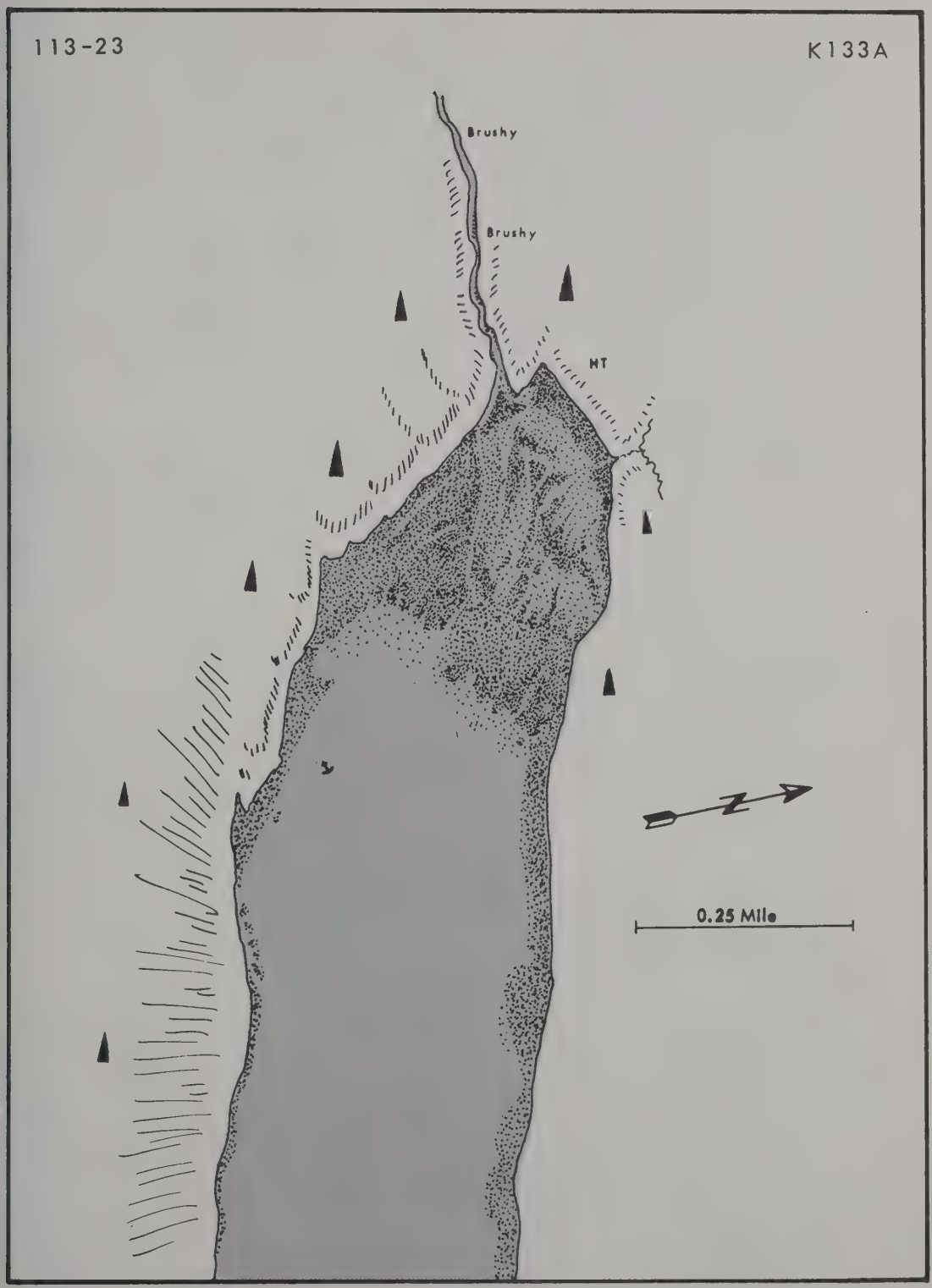
ESCAPEMENT RECORD

[Counts made by ground surveys are designated by G. Aerial surveys by A]

Date	SURVEYED Miles	By	PINK Live	PINK Dead	CHUM Live	CHUM Dead	OTHER SPECIES Live	REMARKS Adjective rating
1961								
Sep 13	A	ADF&G						None observed
Sep 20	A	ADF&G			300			30 at mouth, most spawning some schooled

113-23

K133A



113-23
54°59.5' N. 132°17.4' W.

K 133A
Previous No. 125B

KETCHIKAN, CLARENCE STRAIT, MOIRA SOUND, WEST ARM, FREDERICK COVE, S.W. head

MAJOR SPECIES Pink, chum
OTHER SPECIES
ESCAPEMENT TIMING Late (estimated)
ESCAPEMENT MAGNITUDE
SPAWNING FACILITIES Poor
STREAM TEMPERATURES Warm range (No observed temperatures).
VALLEY DESCRIPTION Stream cut. Steep-sided. Widens about one mile upstream. Valley runs toward the E.
DRAINAGE 4.3 square miles (polar planimeter).
STREAM MOUTH IDENTIFICATION Enters at the head of Frederick Cove, in the S.W. corner.
ANCHORAGE Refer to K 127.
TRAILS AND SURVEY ROUTES
AERIAL SURVEY NOTES The stream runs through fallen logs and brush in most places, therefore aerial observations are inadequate.
GENERAL NOTES No record of physical features.

INTERTIDAL ZONE

LENGTH
AVERAGE WIDTH/DEPTH
GRADIENT AND VELOCITIES
BOTTOM
LOW TIDE LOCATION
HIGH TIDE LOCATION
SCHOOLING AREAS
SPAWNING AREAS
GENERAL NOTES

UPSTREAM

LENGTH ACCESSIBLE
AVERAGE WIDTH/DEPTH 6'/7"
GRADIENT AND VELOCITIES
BOTTOM
MARKER DISTANCE
MARKER IDENTIFICATION
BARRIERS
TRIBUTARIES
SCHOOLING AREAS
SPAWNING AREAS
GENERAL NOTES

ESCAPEMENT RECORD

[Counts made by ground surveys are designated by G. Aerial surveys by A]

Date	SURVEYED Miles	By	PINK Live	PINK Dead	CHUM Live	CHUM Dead	OTHER SPECIES Live	REMARKS Adjective rating
1947								
Oct 10	G	FRI	300					Excellent
1949								
Sep 8	G 0.5	FWS	200					
1955								
Aug 26	G	FWS						300 fish
1956								
Sep 29	G	FWS	500		13,000			
1957								
Sep 11	G	FWS			250			
Sep 11	G 0.5	FRI	0		0			Few chum off mouth

Date	SURVEYED Miles	By	PINK Live	PINK Dead	CHUM Live	CHUM Dead	OTHER SPECIES 'Live	REMARKS Adjective	rating

113-23
55°00.6' N. 132°15.4' W.

K 134
No previous No.

KETCHIKAN, CLARENCE STRAIT, MOIRA SOUND, WEST ARM, DICKMAN BAY, S. shore 1.5 miles from W. head

MAJOR SPECIES Pink, chum
OTHER SPECIES
ESCAPEMENT TIMING Late (estimated)
ESCAPEMENT MAGNITUDE
SPAWNING FACILITIES Very good
STREAM TEMPERATURES Warm range (estimated).
VALLEY DESCRIPTION
DRAINAGE 2 square miles (estimated).
STREAM MOUTH IDENTIFICATION Enters the south arm of Dickman Bay from the S. about 0.5 mile from the bay entrance.
ANCHORAGE Same as for K 127.
TRAILS AND SURVEY ROUTES
AERIAL SURVEY NOTES
GENERAL NOTES A small stream reported to have good spawning facilities.

INTERTIDAL ZONE

LENGTH
AVERAGE WIDTH/DEPTH
GRADIENT AND VELOCITIES
BOTTOM
LOW TIDE LOCATION
HIGH TIDE LOCATION
SCHOOLING AREAS
SPAWNING AREAS
GENERAL NOTES

UPSTREAM

LENGTH ACCESSIBLE
AVERAGE WIDTH/DEPTH
GRADIENT AND VELOCITIES
BOTTOM Small rock and gravel.
MARKER DISTANCE
MARKER IDENTIFICATION
BARRIERS Falls .0.5 mile upstream
TRIBUTARIES
SCHOOLING AREAS
SPAWNING AREAS
GENERAL NOTES

K 134
No previous No.

ESCAPEMENT RECORD

[Counts made by ground surveys are designated by G. Aerial surveys by A]

Date	SURVEYED Miles	By	PINK Live	Dead	CHUM Live	Dead	OTHER SPECIES Live	REMARKS Adjective rating
1930								
Sep 23		FWS	75,000		65,000			Stream overcrowded
1940								
Sep 27	G 0.3	FWS	5,000					Good
1941								
Oct 4	G 0.3	FWS	5,000					Good
1942								
Sep 25	G 0.8	FWS	2,000		8,000			Excellent. 8,000 pink in bay
1945								
Sep 27	G 0.5	FWS	6,000		10,000			Excellent. 6,000 fish off mouth
1947								
Oct 10	G 0.3	FRI	5,000	3,500	250			Good
1953								
Sep 6	G 0.1	FWS	8		1			Poor. Few at mouth, bay. Water low
Sep 20	G 0.2	FWS			1,650	91		Fair. Few at mouth
1955								
Oct 4	G	FWS	150		5,650			
1956								
Sep 2		FWS						15,000 pink at mouth
1957								
Sep 11	G 0.3	FWS	50		250			Few jumps in bay
Sep 18		FWS						30 chum at mouth

113-23
55°00.9' N. 132°17.4' W.

K 134A
No Previous No.

KETCHIKAN, CLARENCE STRAIT, MOIRA SOUND, WEST ARM, DICKMAN BAY, W. head of S. arm

MAJOR SPECIES
ESCAPEMENT TIMING
SPAWNING FACILITIES Fair
STREAM TEMPERATURES Warm range.
VALLEY DESCRIPTION
DRAINAGE 2 square miles (estimated).
STREAM MOUTH IDENTIFICATION Enters at the extreme west end of the south arm of Dickman Bay.
ANCHORAGE Same as for K 127.
TRAILS AND SURVEY ROUTES
AERIAL SURVEY NOTES

OTHER SPECIES
ESCAPEMENT MAGNITUDE

INTERTIDAL ZONE

LENGTH
GRADIENT AND VELOCITIES
BOTTOM
LOW TIDE LOCATION
HIGH TIDE LOCATION
SCHOOLING AREAS
SPAWNING AREAS Fair
GENERAL NOTES

AVERAGE WIDTH/DEPTH

UPSTREAM

LENGTH ACCESSIBLE
GRADIENT AND VELOCITIES
BOTTOM
MARKER DISTANCE
MARKER IDENTIFICATION
BARRIERS High falls 0.5 mile upstream is impassable.
TRIBUTARIES
SCHOOLING AREAS
SPAWNING AREAS
GENERAL NOTES

AVERAGE WIDTH/DEPTH 6'/6"

ESCAPEMENT RECORD

[Counts made by ground surveys are designated by G. Aerial surveys by A]

Date	SURVEYED Miles	By	PINK Live	PINK Dead	CHUM Live	CHUM Dead	OTHER SPECIES Live	REMARKS Adjective rating
1930								
Sep 24	G 0.5	FWS						450 fish, 75% pink. Chum spawned out. 1,500 pink at mouth.

113-23 K 134B
55°01.3' N. 132°16.5' W. No Previous No.

KETCHIKAN, CLARENCE STRAIT, MOIRA SOUND, WEST ARM, DICKMAN BAY, N. W. head of S. arm

MAJOR SPECIES Pink, chum OTHER SPECIES Coho
ESCAPEMENT TIMING ESCAPEMENT MAGNITUDE
SPAWNING FACILITIES About 0.5 mile of good spawning grounds.
STREAM TEMPERATURES Warm range (estimated).
VALLEY DESCRIPTION
DRAINAGE 2 square miles (estimated).
STREAM MOUTH IDENTIFICATION Enters a small bay about half way up the N. shore of the southerly arm of Dickman Bay.
ANCHORAGE Same as for K 127.
TRAILS AND SURVEY ROUTES
AERIAL SURVEY NOTES
GENERAL NOTES A small stream of little importance. No records of physical features.

INTERTIDAL ZONE

LENGTH AVERAGE WIDTH/DEPTH
GRADIENT AND VELOCITIES
BOTTOM
LOW TIDE LOCATION
HIGH TIDE LOCATION
SCHOOLING AREAS
SPAWNING AREAS
GENERAL NOTES

UPSTREAM

LENGTH ACCESSIBLE AVERAGE WIDTH/DEPTH 6'/6"
GRADIENT AND VELOCITIES
BOTTOM
MARKER DISTANCE
MARKER IDENTIFICATION
BARRIERS
TRIBUTARIES
SCHOOLING AREAS
SPAWNING AREAS
GENERAL NOTES

ESCAPEMENT RECORD

[Counts made by ground surveys are designated by G. Aerial surveys by A]

	SURVEYED		PINK		CHUM		OTHER SPECIES	REMARKS
Date	Miles	By	Live	Dead	Live	Dead	Live	Adjective rating
1930								
Sep 24	G 0.5	FWS	750					Many dead chum, 1,000 fresh pink at mouth
1957								
Sep 11	G 0.5	FWS	2		8		6 coho	Few bear kills

113-23 K 135
55°02.2' N. 132°15.6' W. No Previous No.

KETCHIKAN, CLARENCE STRAIT, MOIRA SOUND, WEST ARM, DICKMAN BAY, N.E. head of N. arm

MAJOR SPECIES Chum OTHER SPECIES Pink
ESCAPEMENT TIMING Late (estimated) ESCAPEMENT MAGNITUDE
SPAWNING FACILITIES Good
STREAM TEMPERATURES Warm range
VALLEY DESCRIPTION
DRAINAGE 14.5 square miles (polar planimeter).
STREAM MOUTH IDENTIFICATION The first stream on the N side of the inner part of the northerly arm.
ANCHORAGE Same as for K 127.
TRAILS AND SURVEY ROUTES
AERIAL SURVEY NOTES
GENERAL NOTES Reported to be a good chum stream.

INTERTIDAL ZONE

LENGTH AVERAGE WIDTH/DEPTH
GRADIENT AND VELOCITIES
BOTTOM
LOW TIDE LOCATION
HIGH TIDE LOCATION
SCHOOLING AREAS
SPAWNING AREAS
GENERAL NOTES

UPSTREAM

LENGTH ACCESSIBLE AVERAGE WIDTH/DEPTH 40'/10"
GRADIENT AND VELOCITIES
BOTTOM Small rock, sand and gravel
MARKER DISTANCE
MARKER IDENTIFICATION
BARRIERS Falls 1 mile upstream is impassable to salmon.
TRIBUTARIES
SCHOOLING AREAS
SPAWNING AREAS
GENERAL NOTES

ESCAPEMENT RECORD

[Counts made by ground surveys are designated by G Aerial surveys by A]

	SURVEYED		PINK		CHUM		OTHER SPECIES	REMARKS
Date	Miles	By	Live	Dead	Live	Dead	Live	Adjective rating
1930								
Sep 24	G	FWS	2,500		22,500			Many dead, mostly chum
1953								
Sep 20	G 0.5	FWS	1		5,500	104		Good. 200 chum at mouth
Sep 25	G 0.3	FWS						Good. Many chum

113-23 K 135A
55°02' N. 132°17.5' W. Previous No. 125D

KETCHIKAN, CLARENCE STRAIT, MOIRA SOUND, WEST ARM, DICKMAN BAY, W. head of N. arm

MAJOR SPECIES Pink, chum
OTHER SPECIES Coho
ESCAPEMENT TIMING
ESCAPEMENT MAGNITUDE
SPAWNING FACILITIES Fair.
STREAM TEMPERATURES Warm range
VALLEY DESCRIPTION
DRAINAGE 9.4 square miles (polar planimeter).
STREAM MOUTH IDENTIFICATION Enters the N. arm of Dickman Bay at its head end, comes into the S.W. corner.
ANCHORAGE Same as for K 127.
TRAILS AND SURVEY ROUTES
AERIAL SURVEY NOTES
GENERAL NOTES Escapement figures indicate that this stream does not support large runs of salmon. Mainly a chum stream.

INTERTIDAL ZONE

LENGTH
AVERAGE WIDTH/DEPTH
GRADIENT AND VELOCITIES
BOTTOM
LOW TIDE LOCATION
HIGH TIDE LOCATION
SCHOOLING AREAS
SPAWNING AREAS
GENERAL NOTES

UPSTREAM

LENGTH ACCESSIBLE 850 feet to falls
AVERAGE WIDTH/DEPTH 6-10'/8"
GRADIENT AND VELOCITIES
BOTTOM Small rocks, little sand and gravel.
MARKER DISTANCE
MARKER IDENTIFICATION
BARRIERS A series of falls, impassable to salmon, are encountered 850' upstream.
TRIBUTARIES
SCHOOLING AREAS
SPAWNING AREAS
GENERAL NOTES

ESCAPEMENT RECORD

[Counts made by ground surveys are designated by G. Aerial surveys by A]

	SURVEYED		PINK		CHUM		OTHER SPECIES	REMARKS
Date	Miles	By	Live	Dead	Live	Dead	Live	Adjective rating
1930								
Sep 24	G	FWS	336		114			1,500 fish off mouth
1937								
Oct 5	G	FWS						Good chum run. Few pink
1955								
Oct 4	G	FWS	150		5,650			
1956								
Sep 2	G	FWS						15,000 pink at mouth
1957								
Sep 10	G 0.5	FWS	2		8		6 coho	Jumps way out in bay
Sep 11	G 0.5	FWS	0		250			Jumps in bay
1961								
Sep 1	A	ADF&G	15					Schooled
Sep 13	A	ADF&G						None observed
Sep 20	A	ADF&G						None observed

113-23 K 135B
55°02.6' N. 132°17.4' W. No Previous No.

KETCHIKAN, CLARENCE STRAIT, MOIRA SOUND, WEST ARM, DICKMAN BAY, N. head of N. arm

MAJOR SPECIES Pink, chum
OTHER SPECIES
ESCAPEMENT TIMING
ESCAPEMENT MAGNITUDE
SPAWNING FACILITIES
STREAM TEMPERATURES Warm range
VALLEY DESCRIPTION
DRAINAGE 6.2 square miles (polar planimeter).
STREAM MOUTH IDENTIFICATION Enters the N W. corner of the northern arm at the head of Dickman Bay.
ANCHORAGE Same as for K 127.
TRAILS AND SURVEY ROUTES
AERIAL SURVEY NOTES
GENERAL NOTES Only 1 survey report. Does not appear to be of much importance.

INTERTIDAL ZONE

LENGTH
AVERAGE WIDTH/DEPTH
GRADIENT AND VELOCITIES
BOTTOM
LOW TIDE LOCATION
HIGH TIDE LOCATION
SCHOOLING AREAS
SPAWNING AREAS
GENERAL NOTES

UPSTREAM

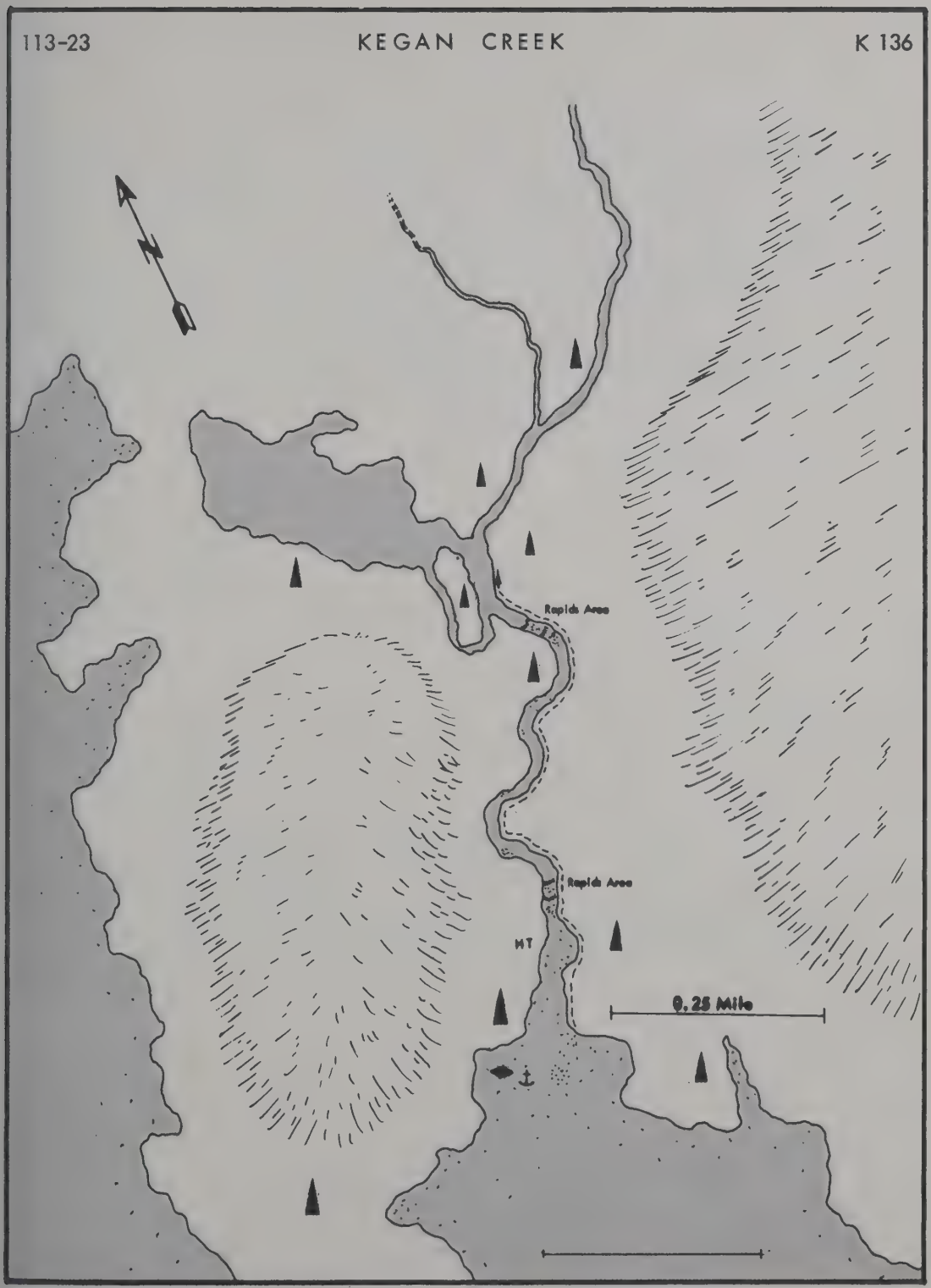
LENGTH ACCESSIBLE
AVERAGE WIDTH/DEPTH 10'/12"
GRADIENT AND VELOCITIES
BOTTOM Large rocks - very little sand and gravel.
MARKER DISTANCE
MARKER IDENTIFICATION
BARRIERS High falls 0.25 mile upstream.
TRIBUTARIES
SCHOOLING AREAS
SPAWNING AREAS
GENERAL NOTES

ESCAPEMENT RECORD

[Counts made by ground surveys are designated by G. Aerial surveys by A]

	SURVEYED		PINK		CHUM		OTHER SPECIES	REMARKS	
Date	Miles	By	Live	Dead	Live	Dead	Live	Adjective	rating
1930									
Sep 23	G	FWS			5,000			Few pink.	1,000 at mouth

KEGAN CREEK



113-23 K 136

55°01.3' N. 132°10' W. KEGAN CREEK Previous No. 126

KETCHIKAN, CLARENCE STRAIT, MOIRA SOUND, KEGAN COVE, Head

MAJOR SPECIES Pink OTHER SPECIES Chum, coho, red
ESCAPEMENT TIMING Late. Sept.-Oct. ESCAPEMENT MAGNITUDE
SPAWNING FACILITIES Good. Limited by sections of bedrock. No intertidal spawning.
SPAWNING TEMPERATURES Warm range. 60° F., 9/22/51, 56° F., 9/27/51; 56° F., 9/9/52; 56° F., 9/8/53, 51° F., 19/4/53.
VALLEY DESCRIPTION A short, steep-sided valley. Heavily wooded. Connects the lake with Kegan Cove.
DRAINAGE 10 square miles (polar planimeter). Drains three interconnected lakes. The first lake is the largest and is 3.5 miles long and about 0.5 mile wide. These lakes are precipitation fed.
STREAM MOUTH IDENTIFICATION The mouth is found at the head of Kegan Cove. The stream runs over a bedrock rapid just before entering salt water.
ANCHORAGE Moor at the float or anchor in the cove off the creek mouth.
TRAILS AND SURVEY ROUTES A good forest service trail follows the left bank up to the lake.
AERIAL SURVEY NOTES Fly up the east side of the valley. Difficult to survey because of dark water.

INTERTIDAL ZONE

LENGTH AVERAGE WIDTH/DEPTH
GRADIENT AND VELOCITIES
BOTTOM
LOW TIDE LOCATION
HIGH TIDE LOCATION
SCHOOLING AREAS
SPAWNING AREAS
GENERAL NOTES The intertidal zone is almost nonexistent, has a bedrock bottom and therefore offers no spawning area.

UPSTREAM

LENGTH ACCESSIBLE 0.8 mile to lake AVERAGE WIDTH/DEPTH 30'-35'/15"-30"
GRADIENT AND VELOCITIES Moderate to swift
BOTTOM Sand and bedrock.
MARKER DISTANCE
MARKER IDENTIFICATION
BARRIERS None.
TRIBUTARIES The chain of lakes which Kegan Creek empties has numerous tributaries, but spawning has only been reported to take place in the inlet to the lower lake.
SCHOOLING AREAS Several pools are utilized by schooling salmon, but the main schooling area is in the pool just below the upper bridge.
SPAWNING AREAS The heaviest spawning occurs in the wide flat area just below the rapids which run out of the lake. Spawning between the flat and salt water is limited to gravel areas interspersed among bedrock outcrops.

KEGAN CREEK

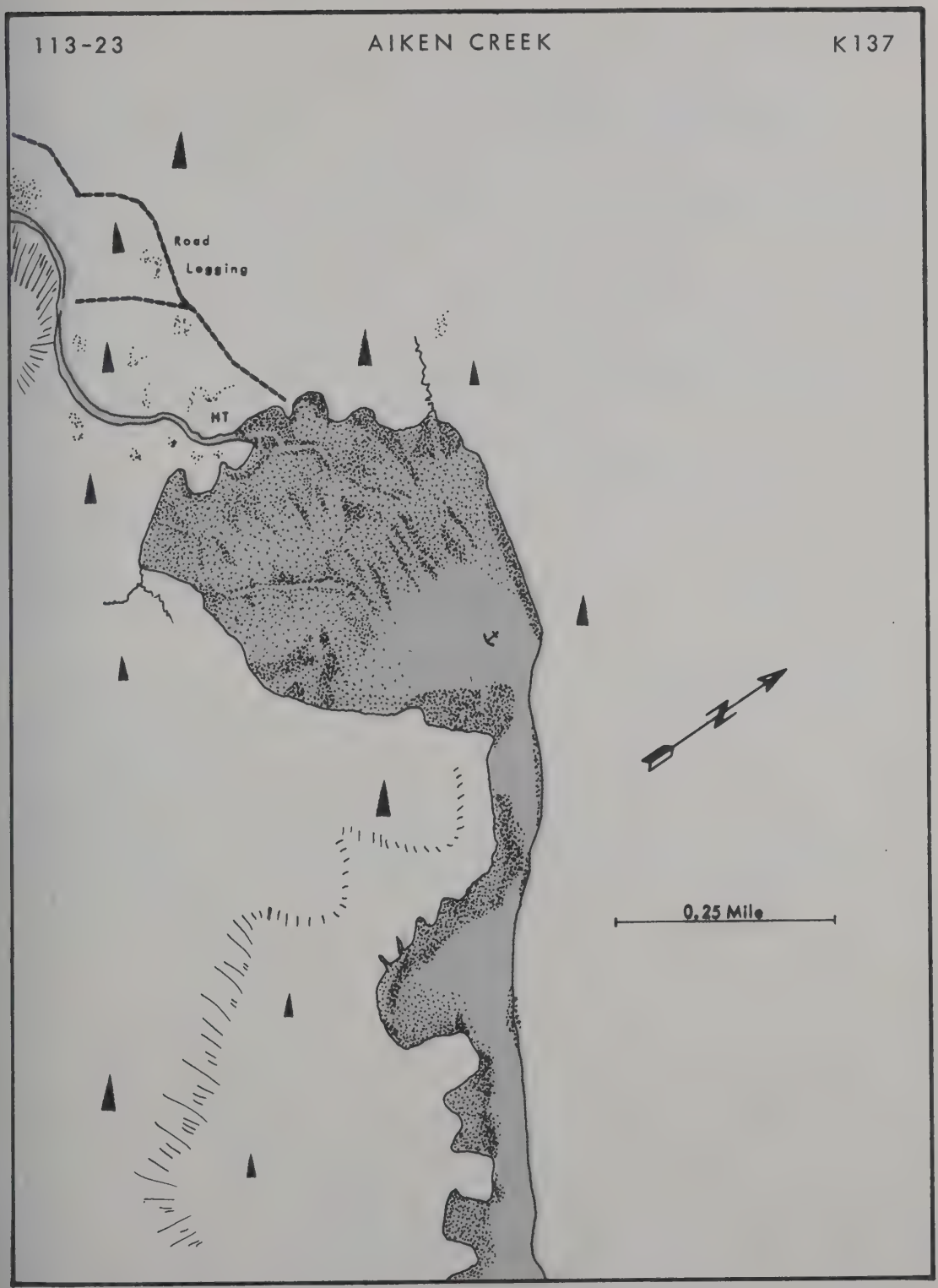
K 136
Previous No. 126

ESCAPEMENT RECORD

[Counts made by ground surveys are designated by G. Aerial surveys by A]

Date	SURVEYED Miles	By	PINK Live	PINK Dead	CHUM Live	CHUM Dead	OTHER SPECIES Live	REMARKS Adjective rating
1930								
Sep 24	G 0.4	FWS						50,000 chum & pink in stream
1941								
Oct 4	G 0.4	FWS	10,000					Good
1942								
Sep 26	G 0.4	FWS	10,000		300			Good
1947								
Oct 10	G 0.4	FRI	15,000		300			Excellent
1951								
Sep 22	G 0.4	FRI	11,000	0		0		Few chum. 5,000-8,000 fish, mostly pink off mouth
Sep 27	G 0.4	FRI	10,200	0	125	0	Some coho	1,000 chum, 5,000 pink off mouth
1952								
Sep 9	G 0.4	FRI	800	0	50	0	150 coho	300-500 at mouth
Sep 22	G 0.4	FRI	3,200	0	200	0	Coho present	Very few at mouth
Oct 6	G 0.4	FRI	3,100	300	1,800	600	200 coho	
1953								
June 22	G 0.0	FWS	0		0		200 red	
June 26	A 0.4	FWS						No jumps seen
June 28	G 0.0	FWS					300 red	
July 17	G 0.0	FWS	2					300 red in cove
July 31	G 0.0	FWS						Red present
Aug 21	G 0.0	FWS						Few red present
Aug 22	G 0.0	FWS					Few coho & red	
Aug 27	G 0.3	FWS	50		0		75 coho	15 coho, 120 pink, 12 red at mouth
Sep 5	G 0.3	FWS	500				100 coho	800 coho at mouth
Sep 6	G 0.3	FWS	1,000				200 coho	400 coho at mouth
Sep 8	G 0.4	FRI	1,080	0	20		76 coho	
Sep 20	G 0.4	FRI	1,000	0	1,000	0	Coho present	
Oct 4	G 0.4	FRI	500	100	1,500	400	23 coho	
1954								
Sep 4	A 0.4	FWS						Stream low
Sep 25	G 0.4	FRI	15,000					10,000-15,000 at mouth
1955								
Sep 19	A 0.4	FRI	3,000					
Sep 23	G	FWS	5,000					
Sep 25	A 0.4	FRI	7,000					Several thousand at mouth
Sep 28	A 0.4	FRI	12,500					2,000 at mouth
1956								
July 3		FWS					7,000 red	
Sep 2		FWS						15,000 pink at mouth
Sep 9	A 0.4	FRI	>2,000					20,000 at mouth. Many outside cove
Sep 11		FWS	6,000		1			
Sep 20	A 0.4	FRI	>10,000					30,000-60,000 chum and pink at mouth
Sep 22		FWS	20,000		500			
Sep 29	A 0.4	FRI	>30,000					25,000 at mouth
Oct 1		FWS	27,000		3,000			
1957								
July 1		FWS					1,200 red	
July 15		FWS					100 red	
Aug 25 S	A 0.4	FRI						2,000 in stream, probably pink

Date	SURVEYED Miles	By	PINK Live	PINK Dead	CHUM Live	CHUM Dead	OTHER SPECIES Live	REMARKS Adjective rating
1957								
Aug 28		FWS	4,000					
Sep 5		FWS	7,300					
Sep 10	G 0.4	FWS	10,000		500			135 dead. About 1,000 chum, 4,000 pink off mouth
Sep 10	G 0.4	FWS	600		2			2,000 pink at mouth
Sep 15	A 0.4	FRI	5,000	0				1,000 at mouth. Jumps in lake
Sep 16		FWS	19,000		4,000			
Sep 18		FWS						1,300 chum, 900 pink at mouth
1958								
Sep 7	A 0.4	FWS						2,000 schooled in lagoon & off mouth
Sep 20	A 0.4	FWS						Some pink present
1961								
Jul 3	A	ADF&G					1,000 red	200 at mouth


113-23
AIKEN CREEK
K137
Road
Logging
MT
0.25 Mile

113-23 K 137

55°07.2' N. 132°12.5' W. AIKEN CREEK Previous No. 127B

KETCHIKAN, CLARENCE STRAIT, MOIRA SOUND, NORTH ARM, AIKEN COVE, S. W. head

MAJOR SPECIES Pink, chum OTHER SPECIES Red, coho

ESCAPEMENT TIMING Late. Sept.-Oct. . ESCAPEMENT MAGNITUDE

SPAWNING FACILITIES Fair to good.

STREAM TEMPERATURES Warm range (estimated).

VALLEY DESCRIPTION Stream cut. Runs W. for 0.5 mile and then S. to its headwaters near Eudora Mountain, 3500" in height. The valley is sparsely wooded in places in the lower part. Valley walls are of moderate to steep gradient.

DRAINAGE 4 square miles (polar planimeter).

STREAM MOUTH IDENTIFICATION The mouth lies at the head of Aiken Cove, just to the left of a cabin ruins.

ANCHORAGE Excellent shelter for small boats is found within the cove. Care must be taken when running in the North Arm because of numerous rocks.

TRAILS AND SURVEY ROUTES Easily waded except in lower reaches where observations may be made from stream banks. A logging road runs up the left bank and may be used for travel downstream.

AERIAL SURVEY NOTES Difficult to survey from the air.

INTERTIDAL ZONE

LENGTH AVERAGE WIDTH/DEPTH

GRADIENT AND VELOCITIES

BOTTOM Gravel and broken rocks.

LOW TIDE LOCATION

HIGH TIDE LOCATION

SCHOOLING AREAS Two large pools near the low tide mark.

GENERAL NOTES

UPSTREAM

LENGTH ACCESSIBLE AVERAGE WIDTH/DEPTH 30'-35'/10"-12"

GRADIENT AND VELOCITIES

BOTTOM Gravel and small broken rock.

MARKER DISTANCE

MARKER IDENTIFICATION

BARRIERS Falls 0.75 mile upstream are at least a partial block to salmon.

TRIBUTARIES No spawning tributaries reported.

SCHOOLING AREAS Small pools throughout the distance surveyed.

SPAWNING AREAS The heaviest spawning takes place below the falls. The best spawning facilities and largest available spawning area is found here. Some spawning occurs in gravel pockets below this area.

GENERAL NOTES

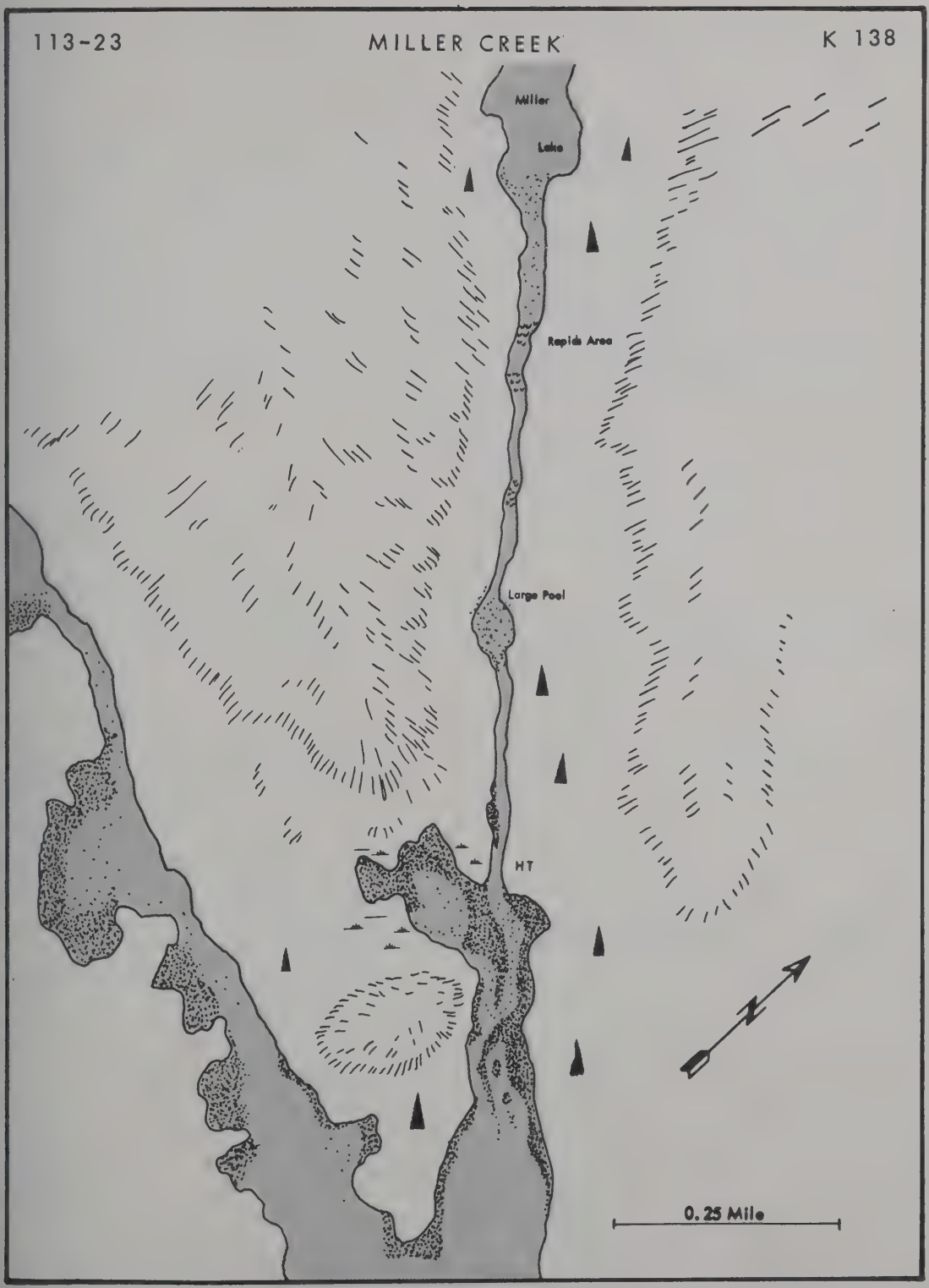
AIKEN CREEK

K 137
Previous No. 127B

ESCAPEMENT RECORD

[Counts made by ground surveys are designated by G. Aerial surveys by A]

SURVEYED			PINK		CHUM		OTHER SPECIES	REMARKS
Date	Miles	By	Live	Dead	Live	Dead	Live	Adjective rating
1940								
Sep 26	G 0.8	FWS	30,000		3,000			Excellent
1941								
Oct 5	G 1.0	FWS	75,000		5,000			Excellent
1946								
Sep 29	G 0.5	ASI						Poor
1947								
Oct 8	G 0.8	FRI	10,000		5,000			Excellent
1948								
Aug 23	G 0.5	FRI						No fish in the stream
Aug 31	G 0.8	FRI			55			
Sep 6	G 0.5	ASI			200			Poor
Sep 14	G 0.3	ASI	200		50			Poor
Sep 26	G 0.5	ASI	3,000		2,000			Fair
Oct 4	G 0.5	ASI	10,000		3,000			Good. Many dead chum and pink
1951								
Sep 22	G 0.3	FRI						Low water. Fish unable to enter. 5,000 pink, 8,000 chum off mouth
1953								
Aug 29	G 0.0	FWS	0		200			
Sep 7	G 0.0	FWS	100		500			
Sep 19	G 0.3	FRI	25	0	4,500	35		Dead mostly predator kills
Sep 24		FWS						Creek filled with chum
1954								
Sep 4	A 0.8	FWS						Stream low
1955								
Oct 2	G	FWS	40		3,370			
1956								
Sep 29		FWS	500		13,000			
1957								
July 15		FWS					100 red	
Sep 21		FWS			2,025			2,000 chum, 5,000 pink at mouth
1959								
Sep 4	A	FWS	2,000		50		50 coho	


113-23
MILLER CREEK
K 138
Miller
Lake
Rapids Area
Large Pool
HT
0.25 Mile

113-23 MILLER (LAKE) CREEK K 138
55°07.8' N. 132°10.7' W. Previous No. 127

KETCHIKAN, CLARENCE STRAIT, MOIRA SOUND, NORTH ARM, Head

MAJOR SPECIES Pink, chum OTHER SPECIES Coho, red
ESCAPEMENT TIMING Late. Sep.-Oct. ESCAPEMENT MAGNITUDE
SPAWNING FACILITIES Poor. The most satisfactory spawning area is at the lake outlet since the remainder of the stream flows over solid marble bottom. Spawning does not occur in the intertidal zone.
STREAM TEMPERATURES Warm range (Estimated).
VALLEY DESCRIPTION A short stream-cut valley at the lower end of a large valley. The S. W. slope of the valley runs into Miller Lake. Between the lake and the North Arm the valley is heavily wooded. The stream flows through a narrow gorge.
DRAINAGE 10 square miles (polar planimeter). Drains Miller Lake 2.5 miles long and 0.2 mile wide. This lake is fed by several other small lakes lying within the drainage system.
STREAM MOUTH IDENTIFICATION Enters at the extreme head of the North Arm of Moira Sound.
ANCHORAGE Adequate anchorage for small boats can be found off the creek mouth. Refer to K 137.
TRAILS AND SURVEY ROUTES There are no trails and it is difficult to ascend the slippery rock margins.
AERIAL SURVEY NOTES Not surveyed from the air.

INTERTIDAL ZONE

LENGTH 0.2 mile AVERAGE WIDTH/DEPTH 30'/12"
GRADIENT AND VELOCITIES Moderate
BOTTOM Bedrock and heavy rubble.
LOW TIDE LOCATION
HIGH TIDE LOCATION
SCHOOLING AREAS Schooling takes place off the mouth.
SPAWNING AREAS None reported.
GENERAL NOTES The remains of an old marble quarry are situated near the mouth. This stream is unimportant as a salmon stream; however, lake spawning of pink, chum, and red occurs at the head end of the lake.

UPSTREAM

LENGTH ACCESSIBLE 0.5 mile to lake AVERAGE WIDTH/DEPTH 20'-25'/?
GRADIENT AND VELOCITIES Moderate
BOTTOM Bedrock.
MARKER DISTANCE
MARKER IDENTIFICATION
BARRIERS None.
TRIBUTARIES None reported.
SCHOOLING AREAS About halfway to the lake there is a deep pool which provides excellent shelter for schooling salmon. Numerous small pools are also available.
SPAWNING AREAS Numerous bedrock areas restrict spawning. The best spawning area is just below the lake outlet.
GENERAL NOTES A poor salmon stream.

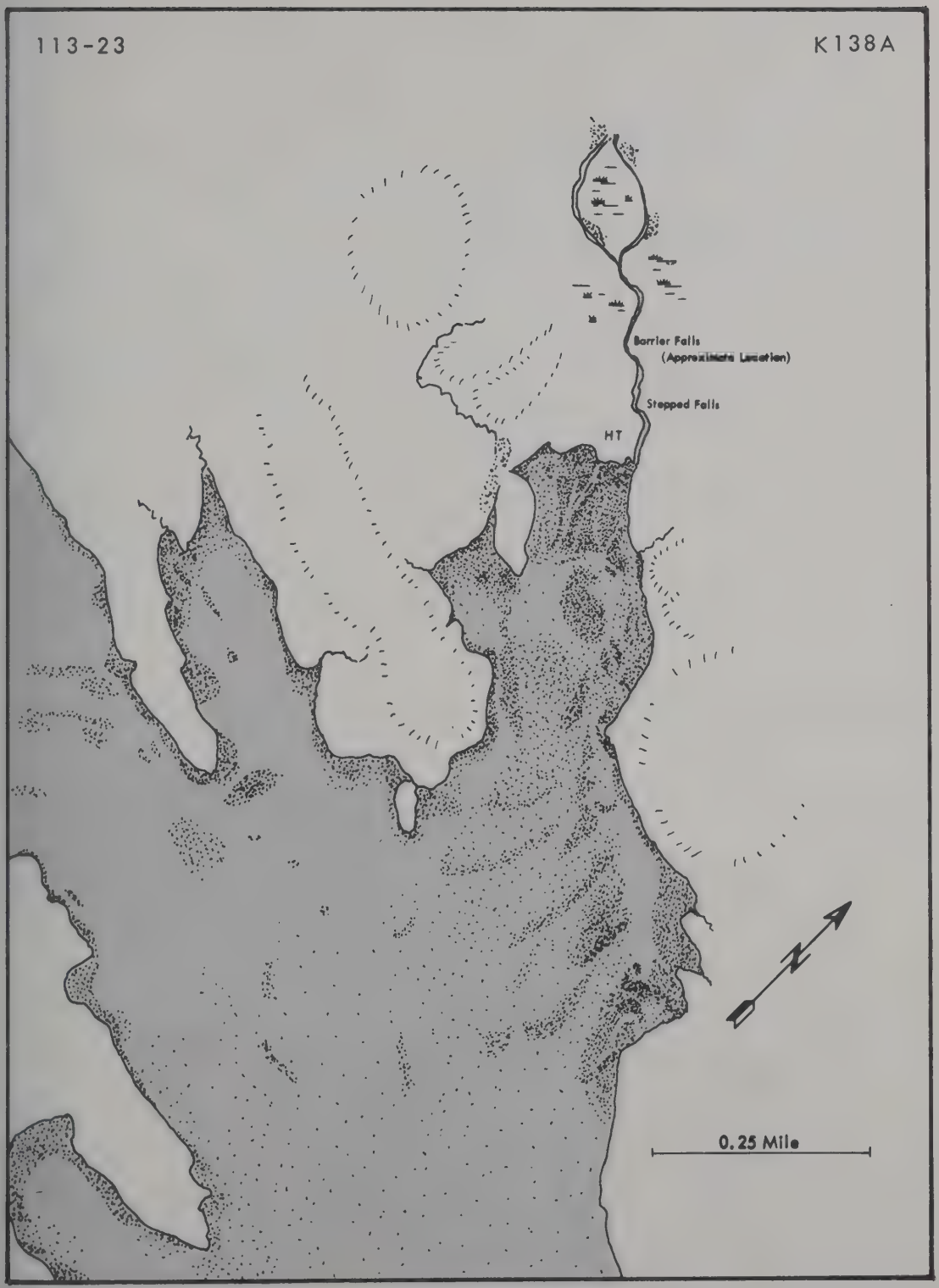
MILLER(LAKE)CREEK

K 138
Previous No. 127

ESCAPEMENT RECORD

[Counts made by ground surveys are designated by G. Aerial surveys by A]

Date	SURVEYED Miles	By	PINK Live	PINK Dead	CHUM Live	CHUM Dead	OTHER SPECIES Live	REMARKS Adjective rating
1940								
Sep 25	G 0.3	FWS	15,000		2,000			Excellent
Sep 27	G 0.8	FWS	4,000		3,000			Good. 7,000 fish off mouth
1941								
Oct 5	G 0.5	FWS	50,000					Excellent
1942								
Sep 24	G 0.3	FWS	500		4,000			Fair. 10,000 fish off mouth
1947								
Oct 7	G 0.6	FRI	10,000		700			
1948								
Aug 10	G 0.6	ASI					25 red	
Aug 17		ASI						Jumps off mouth
Aug 23	G 0.3	ASI						Chum showing in bay
Aug 31	G 0.6	FRI	25		10			
Sep 6	G 0.6	ASI	100					Some chum. Stream high and discolored
Sep 14		ASI	1,000		25			
Sep 26	G 0.3	ASI						Fair showing
Oct 4	G 0.6	ASI	15,000		4,000			Good. Many dead both species
1953								
June 28	G 0.0	FWS						No fish showing
July 11	G 0.0	FWS					75 red	
July 15	G 0.0	FWS						Reds have gone upstream, 2 small schools in bay
July 24	A 0.6	FWS						Few jumpers noted - reds
Aug 1	G 0.0	FWS					Red present	Few pink
Aug 14	A 0.6	FWS						Few red at feeder stream, upper end of lake. Few jumps in outlet stream
Aug 29	G 0.0	FWS						Few schools of chum, coho, pink present
Aug 30	A 0.6	FWS						Poor. Red beach spawning at head of lake. 1 jump at mouth
Sep 19	G 0.6	FWS	1,000		2,000		1,000 coho	Poor to fair
1956								
Sep 21	G 0.0	FWS	500		4,500			
1957								
Sep 11		FWS	350		600			1,800 chum at mouth
Sep 21		FWS	500		9,000			6,000 chum at mouth
Sep 22		FWS						2,000 chum at mouth


113-23
K138A
Barrier Falls
(Approximate Location)
Stepped Falls
HT
0.25 Mile

113-23
55°07.8' N. 132°08.6' W.

K 138A
Previous No. 127C

KETCHIKAN, CLARENCE STRAIT, MOIRA SOUND, NORTH ARM, NOWISKAY COVE, Head

MAJOR SPECIES Pink
OTHER SPECIES Chum
ESCAPEMENT TIMING Late. Sep.-Oct.
ESCAPEMENT MAGNITUDE
SPAWNING FACILITIES Poor, except in the intertidal zone.
STREAM TEMPERATURES Warm range (estimated).
VALLEY DESCRIPTION Stream cut. The valley is short, about 1 mile in length and branches at the upper end. The tributary valleys are less than a quarter mile long. Headwaters are at the base of the prominent ridge S.E. of Kitkun Bay.
DRAINAGE 0.7 square mile (polar planimeter).
STREAM MOUTH IDENTIFICATION The mouth lies at the head of Nowiskay Cove, the first cove on the east shore of the North Arm.
ANCHORAGE Refer to K 138.
TRAILS AND SURVEY ROUTES
AERIAL SURVEY NOTES
GENERAL NOTES Unimportant as a salmon stream. Very small.

INTERTIDAL ZONE

LENGTH
AVERAGE WIDTH/DEPTH
GRADIENT AND VELOCITIES
BOTTOM Good spawning gravel
LOW TIDE LOCATION
HIGH TIDE LOCATION
SCHOOLING AREAS None reported.
SPAWNING AREAS The intertidal zone supports most of the spawning in this stream.
GENERAL NOTES

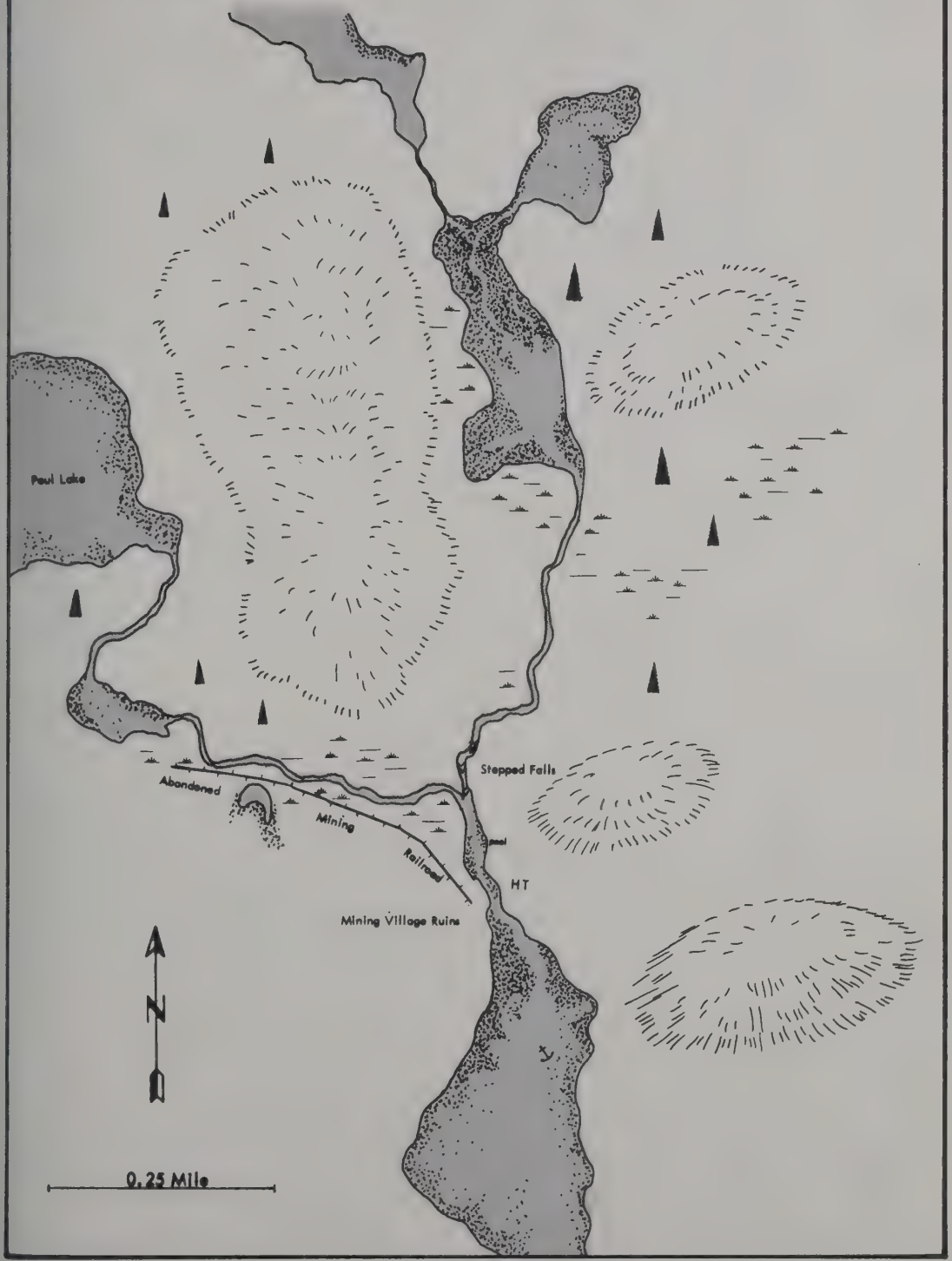
UPSTREAM

LENGTH ACCESSIBLE Less than 0.1 mile
AVERAGE WIDTH/DEPTH 10'-15'/6"-8"
GRADIENT AND VELOCITIES
BOTTOM Bedrock, boulders and large rubble
MARKER DISTANCE
MARKER IDENTIFICATION
BARRIERS Two falls present blocks in this stream. The lower 3' falls at the high tide mark presents a partial block, while the 18' falls 425' upstream is a total block.
TRIBUTARIES None
SCHOOLING AREAS None reported
SPAWNING AREAS The only good spawning area is above the barrier.
GENERAL NOTES A very small stream consisting of a series of falls and pools.

ESCAPEMENT RECORD

[Counts made by ground surveys are designated by G. Aerial surveys by A]

	SURVEYED		PINK		CHUM		OTHER SPECIES	REMARKS
Date	Miles	By	Live	Dead	Live	Dead	Live	Adjective rating
1947								
Oct 7	G 0.1	FRI	112		2			Excellent
1953								
Sep 10	G	FRI-FWS						A trickle - not a salmon stream
1954								
Sep 4	A 0.1	FWS						Stream low


Paul Lake
Abandoned
Mining
Railroad
Stepped Falls
HT
Mining Village Ruins
N
0.25 Mile

113-21 K 139

55°08' N. 132°03' W. DOLOMI CREEK Previous No. 128

KETCHIKAN, CLARENCE STRAIT, PORT JOHNSON, DOLOMI BAY, Head

MAJOR SPECIES Pink, red OTHER SPECIES Coho, chum

ESCAPEMENT TIMING Early. July -Aug. ESCAPEMENT MAGNITUDE

SPAWNING FACILITIES Fair Pink and chum are restricted to the area below the barrier. Reds and coho can reach the area above the falls.

STREAM TEMPERATURES Warm range (estimated).

VALLEY DESCRIPTION A forested young valley between mountain ranges 1,200 to 2,000' in height on each side and across the upper end. The valley is 6 miles long and 1 mile wide, originating in a glacial cirque.

DRAINAGE 10 square miles (polar planimeter) Drains Paul Lake, which is 2 miles long and 0.4 mile wide. Paul Lake is formed by feeder streams converging from 3 sides. Other small lakes are also found within the valley.

STREAM MOUTH IDENTIFICATION The mouth is found at the head of Dolomi Bay, the only bay on the north shore, 2 miles from the head of Port Johnson. The remains of an old mining village are found near the mouth.

ANCHORAGE Small craft may anchor in the bay off the creek mouth in 6 to 7 fathoms and have limited room for swinging.

TRAILS AND SURVEY ROUTES An old mining railway follows the left bank almost to the lake.

AERIAL SURVEY NOTES The brushy banks bordering the stream make aerial observation difficult.

INTERTIDAL ZONE

LENGTH AVERAGE WIDTH/DEPTH

GRADIENT AND VELOCITIES

BOTTOM Rock and boulders.

LOW TIDE LOCATION

HIGH TIDE LOCATION

SCHOOLING AREAS

SPAWNING AREAS Few if any fish spawn here - very rocky and strewn with boulders.

GENERAL NOTES

UPSTREAM

LENGTH ACCESSIBLE 0.2 mile to falls AVERAGE WIDTH/DEPTH 40'/12"

GRADIENT AND VELOCITIES Moderate

BOTTOM Bedrock, boulders, mud, and sand.

MARKER DISTANCE

MARKER IDENTIFICATION

BARRIERS A stepped falls 1,400' upstream is a total block to pink and chum. The falls are 3' and 7' in height and 50' apart.

TRIBUTARIES A good sized tributary flows in at the upper end of the pool. This stream is 10'/6" and is used extensively by salmon.

SCHOOLING AREAS The large pool below the barrier.

GENERAL NOTES 500 feet of the lower stream runs through a rocky canyon.

DOLOMI CREEK

K 139
Previous No. 128

ESCAPEMENT RECORD

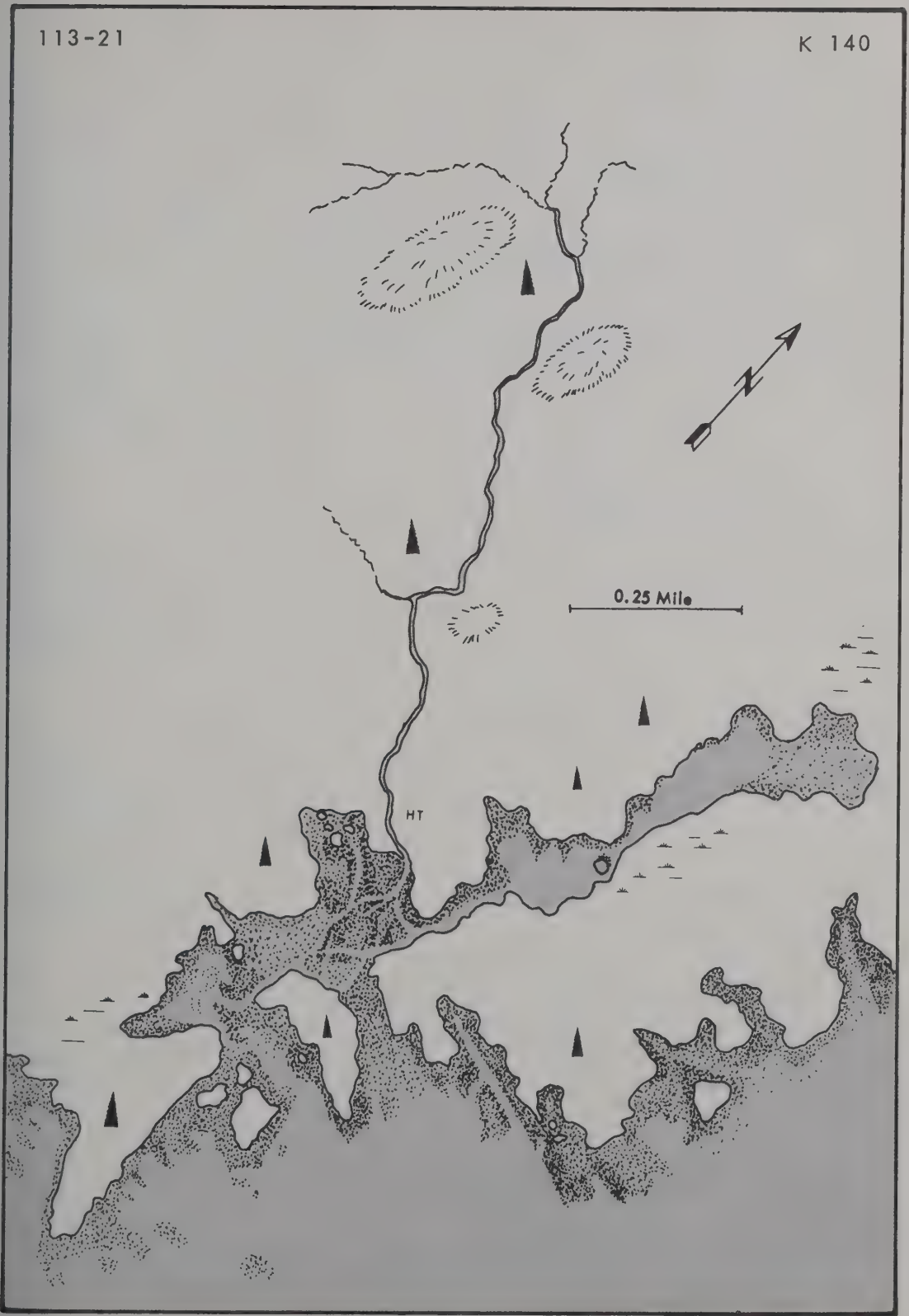
[Counts made by ground surveys are designated by G. Aerial surveys by A]

Date	SURVEYED Miles	By	PINK Live	PINK Dead	CHUM Live	CHUM Dead	OTHER SPECIES Live	REMARKS Adjective rating
1930								
Sep 28	G 0.5	FWS						Well seeded. Water high and discolored. Had good local reports
1941								
Oct 4	G 0.1	FWS	20,000					Good. 1,000 fish off mouth
1942								
Sep 3	G 1.0	FWS						No fish in stream
Sep 24	G 1.0	FWS	11,000		500			Excellent. 2,000 fish off mouth
1949								
Sep 14	G 0.3	FWS	200					
1953								
June 21	G 0.0	FWS						No fish showing. Many fry, in all bays
June 22	G 0.0	FWS						Few jumpers in bay
June 26	A 0.0	FWS						No jumpers seen
July 6	G 0.0	FWS						150 fish in bay
July 14	G 0.0	FWS						250 red in cove, creek low
July 18	G 0.0	FWS						600 red in bay
July 25	G 0.0	FWS						Red going upstream
July 26	G 0.5	FWS					1,100 red	
Aug 17	G 0.5	FWS					1,000 red	Red entering stream. Rain brought stream level up
Aug 18	G 0.3	FWS						Many red below falls. Fish having hard time getting over falls
Sep 5	G 0.5	FWS					Few coho	Few chum
Sep 19	G 0.3	FRI	100		300		50 coho	Poor. Falls 1/4 mi. appears impassable on present water level
1954								
Sep 28	A 0.3	FRI			2,000			Few at mouth
1955								
Aug 25	G	FWS					1,500 coho, 8,000 red	
1956								
July 1		FWS					500 red	
July 3		FWS					5,000 red	
July 4		FWS					2,500 red	
July 5		FWS					8,000 red	
July 6		FWS					5,000 red	
July 9		FWS					5,000-8,000 red	
July 13		FWS					400 red	
July 18		FWS					600 red	
July 21		FWS					600 red	
1957								
July 26	G 0.3	FWS					800 red	200 red at mouth
Aug 27		FWS						10 chum, 65 pink at mouth
Aug 28		FWS	800					
Sep 11		FWS	400					Few chum. Jumps off mouth
Sep 12	G 0.5	FRI	400					Few chum. Jumps off mouth
1959								
July 26	A	FWS	0		0		150 red	None at mouth
Aug 3	A	FWS	0		0		500 red	None at mouth
Aug 10	A	FWS	0		0		1,000	None at mouth
1961								
Jul 13	G	ADF&G					700 red	300 at mouth
Jul 30	A	ADF&G						1,000 at mouth
Aug 4	A	ADF&G						1,000 at mouth

SURVEYED			PINK		CHUM		OTHER SPECIES	REMARKS
Date	Miles	By	Live	Dead	Live	Dead	Live	Adjective rating

113-21

K 140



113-21
55°09.8' N. 132°00.8' W.

K 140
Previous No. 129

KETCHIKAN, CLARENCE STRAIT, 5 miles S. of Windy Point

MAJOR SPECIES None reported
OTHER SPECIES
ESCAPEMENT TIMING Late (estimated)
ESCAPEMENT MAGNITUDE
SPAWNING FACILITIES
STREAM TEMPERATURES Warm range (no observed temperatures).
VALLEY DESCRIPTION This stream flows through a valley of slight gradient.
DRAINAGE 4.3 square miles (polar planimeter). Precipitation fed. A few small lakes and ponds are found in this drainage system.
STREAM MOUTH IDENTIFICATION The tidal flat at the mouth lies behind a wooded island. The main channel enters Clarence Strait on the southerly side of the island.
ANCHORAGE The bay off the stream mouth offers only a fair weather anchorage. For overnight anchoring refer to K 139.
TRAILS AND SURVEY ROUTES
AERIAL SURVEY NOTES
GENERAL NOTES No survey records.

INTERTIDAL ZONE

LENGTH
AVERAGE WIDTH/DEPTH
GRADIENT AND VELOCITIES
BOTTOM
LOW TIDE LOCATION
HIGH TIDE LOCATION
SCHOOLING AREAS
SPAWNING AREAS
GENERAL NOTES

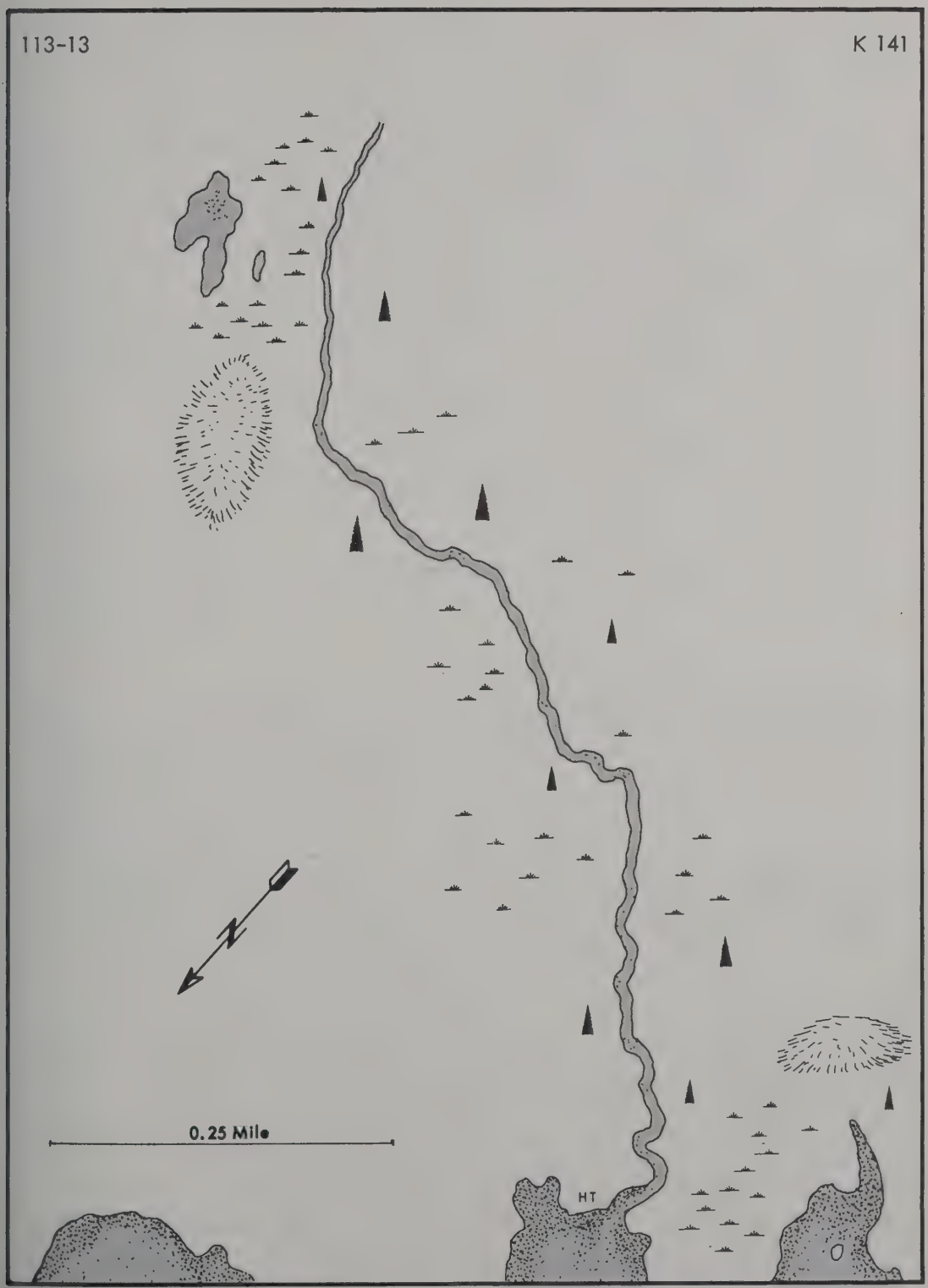
UPSTREAM

LENGTH ACCESSIBLE
AVERAGE WIDTH/DEPTH
GRADIENT AND VELOCITIES
BOTTOM
MARKER DISTANCE
MARKER IDENTIFICATION
BARRIERS
TRIBUTARIES
SCHOOLING AREAS
SPAWNING AREAS
GENERAL NOTES

ESCAPEMENT RECORD

[Counts made by ground surveys are designated by G. Aerial surveys by A]

SURVEYED			PINK		CHUM		OTHER SPECIES	REMARKS
Date	Miles	By	Live	Dead	Live	Dead	Live	Adjective rating


N
0.25 Mile
HT

113-13
55°12.6' N. 132°05' W.

K 141
Previous No. 130

KETCHIKAN, CLARENCE STRAIT, CHOLMONDELEY SOUND, **LANCASTER COVE**, Head

MAJOR SPECIES Pink, chum
OTHER SPECIES Coho
ESCAPEMENT TIMING Late. Sept. -Oct.
ESCAPEMENT MAGNITUDE
SPAWNING FACILITIES Fair throughout the upstream area. Limited in the intertidal zone.
STREAM TEMPERATURES Warm range. 47.5° F. 10/7/50.
VALLEY DESCRIPTION A narrow, flat valley , made up mostly of muskeg areas.
DRAINAGE 1.4 square miles (polar planimeter).
STREAM MOUTH IDENTIFICATION The stream enters the S. E. corner of Lancaster Cove. Short tidal flat.
ANCHORAGE Lancaster Cove affords good anchorage in 13 to 14 fathoms. Enter the cove from either side of the wooded island in its entrance.
TRAILS AND SURVEY ROUTES No trails are found along the stream banks. Easily waded during periods of low flow.
AERIAL SURVEY NOTES Not surveyed by air.

INTERTIDAL ZONE

LENGTH 100 yards
AVERAGE WIDTH/DEPTH 30'/8"-12"
GRADIENT AND VELOCITIES Gentle
BOTTOM Heavy rubble.
LOW TIDE LOCATION
HIGH TIDE LOCATION
SCHOOLING AREAS A narrow gut of moderate depth near the low tide mark provides an excellent schooling area.
SPAWNING AREAS Limited.
GENERAL NOTES

UPSTREAM

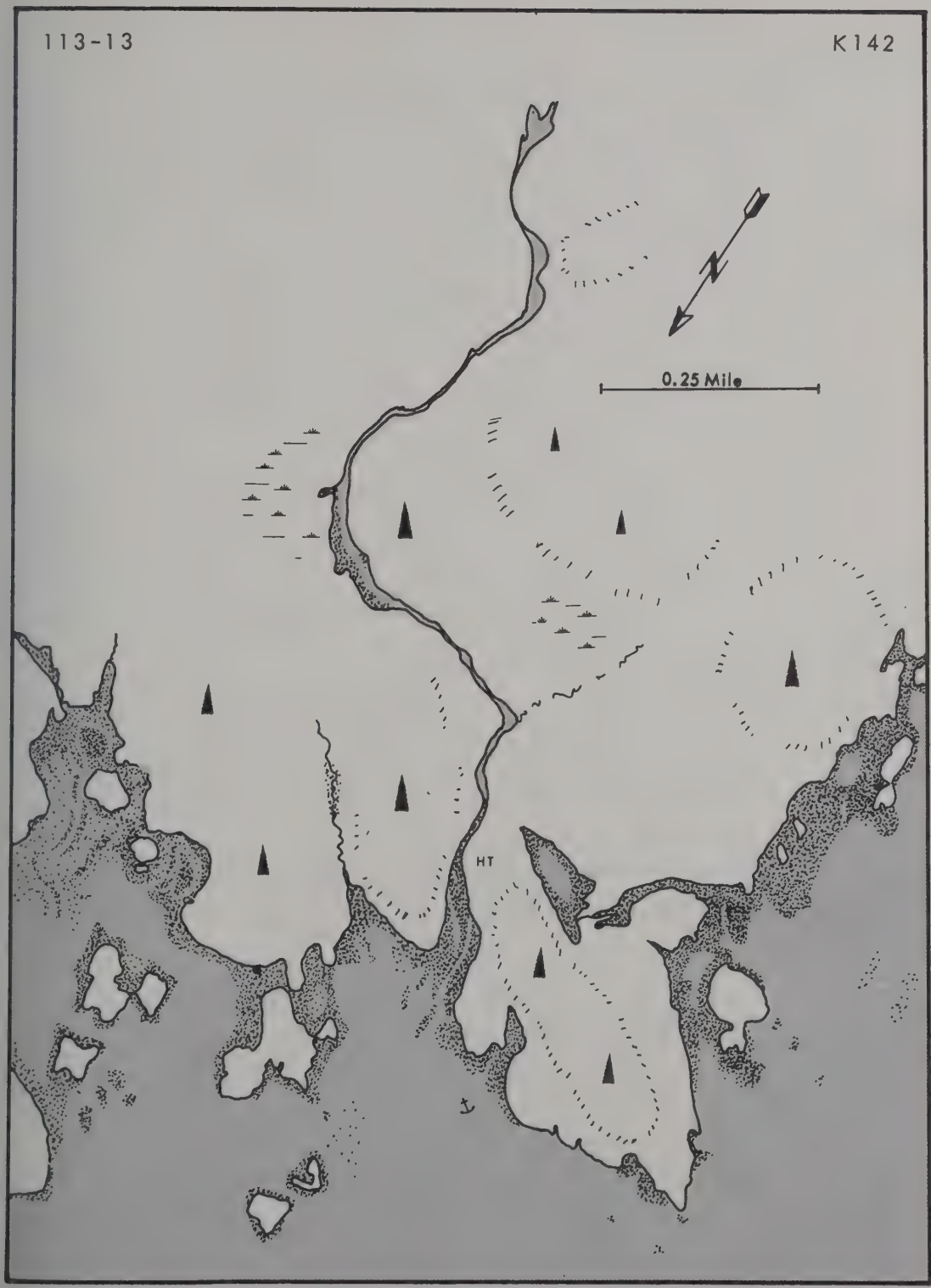
LENGTH ACCESSIBLE >3 miles
AVERAGE WIDTH/DEPTH 25'/12"
GRADIENT AND VELOCITIES Gentle except in the gorge.
BOTTOM Broken rock and gravel.
MARKER DISTANCE
MARKER IDENTIFICATION
BARRIERS None reported
TRIBUTARIES None
SCHOOLING AREAS None
SPAWNING AREAS Excellent spawning areas are found in the entire distance surveyed except in the area of the gorge.
GENERAL NOTES About 200 yards upstream the stream narrows and becomes precipitous for a short distance.

K 141
Previous No. 130

ESCAPEMENT RECORD

[Counts made by ground surveys are designated by G. Aerial surveys by A]

Date	SURVEYED Miles	By	PINK Live	PINK Dead	CHUM Live	CHUM Dead	OTHER SPECIES Live	REMARKS Adjective rating
1930								
Oct 7	G 3.0	FWS						25,000 fish in stream
1948								
Sep 30	G 0.4	FWS	1,500		1,400			Excellent. 5,000 fish off mo
1950								
Oct 7	G 0.3	FRI	80	5	105	22		
1952								
Sep 9	G 0.1	FWS						None present in stream
1953								8 chum at mouth
Sep 21	G	FWS						Stream flooding
1956								
Sep 4	G	FWS						10,000 pink off mouth
1957								
Sep 18	G	FWS			400			500 chum at mouth


113-13
K142
0.25 Mile
HT

113-13
55° 12.1' N. 132° 05.5' W.

K 142
Previous No. 130C

KETCHIKAN, CLARENCE STRAIT, CHOLMONDELEY SOUND, 1 mile S.W. of Lancaster Cove

MAJOR SPECIES Pink, chum
OTHER SPECIES
ESCAPEMENT TIMING Late (estimated)
ESCAPEMENT MAGNITUDE
SPAWNING FACILITIES Good
STREAM TEMPERATURES Warm range (estimated).
VALLEY DESCRIPTION The valley widens a short distance above the mouth and keeps widening until it terminates. Mostly wooded with few open muskeg areas.
DRAINAGE 3 square miles (polar planimeter).
STREAM MOUTH IDENTIFICATION The stream enters the second bay S. W. of Lancaster Cove. Two wooded islands lie northeast of the bay entrance.
ANCHORAGE Good anchorage is available in Lancaster Cove. See K 141.
TRAILS AND SURVEY ROUTES
AERIAL SURVEY NOTES
GENERAL NOTES Not an important salmon stream.

INTERTIDAL ZONE

LENGTH
AVERAGE WIDTH/DEPTH
GRADIENT AND VELOCITIES Moderate
BOTTOM Large sharp boulders.
LOW TIDE LOCATION
HIGH TIDE LOCATION
SCHOOLING AREAS
SPAWNING AREAS
GENERAL NOTES Very short.

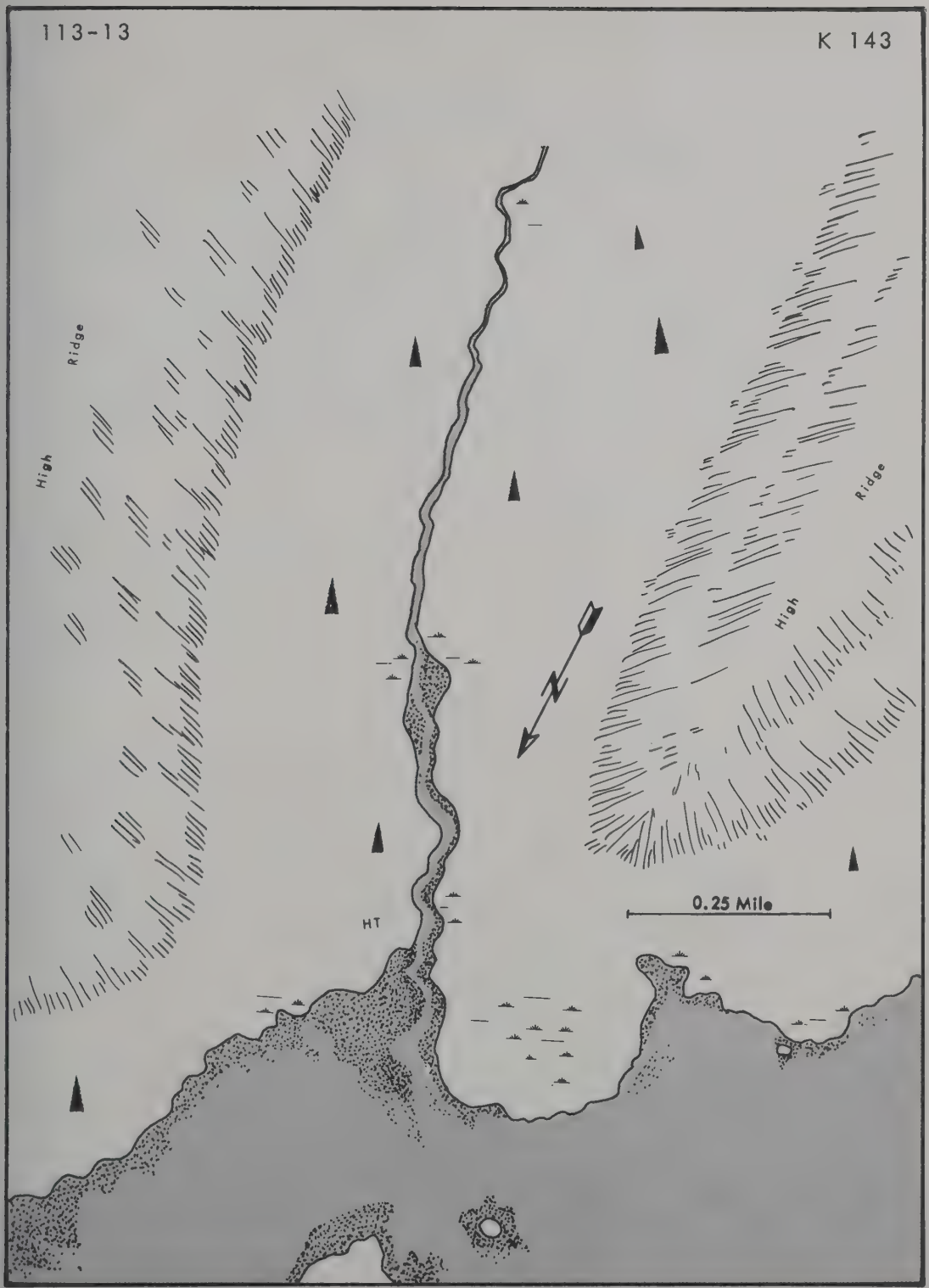
UPSTREAM

LENGTH ACCESSIBLE 1 mile
GRADIENT AND VELOCITIES Moderate
BOTTOM Small gravel.
MARKER DISTANCE
MARKER IDENTIFICATION
BARRIERS None.
TRIBUTARIES None.
SCHOOLING AREAS
SPAWNING AREAS Spawning takes place in the lower section just above the high tide mark.
GENERAL NOTES A small overgrown stream formed by 2 small branches which converge 0.7 mile above the high tide mark. Considered to be a poor salmon stream.

ESCAPEMENT RECORD

[Counts made by ground surveys are designated by G. Aerial surveys by A]

Date	SURVEYED Miles	By	PINK Live	Dead	CHUM Live	Dead	OTHER SPECIES Live	REMARKS Adjective rating
1948								
Sep 30	G 0.3	FWS	270		350			Good. 750 fish at mouth
1950								
Oct 7	G 0.3	FRI	20	0	80	132		
1957								
Sep 13	G 1.0	FWS	2					5,000 chum at mouth
Sep 18	G	FWS						5,250 chum at mouth


113-13
K 143
High
Ridge
High
Ridge
N
HT
0.25 Mile

113-13 K 143
55°11' N. 132°07.5' W. Previous No. 131

KETCHIKAN, CLARENCE STRAIT, CHOLMONDELEY SOUND, KITKUN BAY, S. shore 3 miles from head

MAJOR SPECIES Pink, chum OTHER SPECIES Coho
ESCAPEMENT TIMING Late. Sept. -Oct. ESCAPEMENT MAGNITUDE
SPAWNING FACILITIES Fair.
STREAM TEMPERATURES Warm range (estimated).
VALLEY DESCRIPTION Glacial origin. Heads at the base of a group of mountains. These mountains and ridges outline the valley for most of its entire length.
DRAINAGE 2 square miles (polar planimeter).
STREAM MOUTH IDENTIFICATION The mouth enters a bight S. of the wooded island .0.5 mile E. of Kitkun Bay entrance. Fair sized tidal flat E. of stream bed.
ANCHORAGE Kitkun Bay has not been surveyed. A small boat should be used for travel to this and other streams in the bay. The bay entrance is west of Babe Islands.
TRAILS AND SURVEY ROUTES No trails along the stream banks. Easily waded during low flows.
AERIAL SURVEY NOTES
GENERAL NOTES Few survey reports are available on this stream. Those which have been made indicate that this stream has a good escapement at times.

INTERTIDAL ZONE

LENGTH AVERAGE WIDTH/DEPTH
GRADIENT AND VELOCITIES
BOTTOM Gravel in between large rocks.
LOW TIDE LOCATION
HIGH TIDE LOCATION
SCHOOLING AREAS
SPAWNING AREAS Limited.
GENERAL NOTES

UPSTREAM

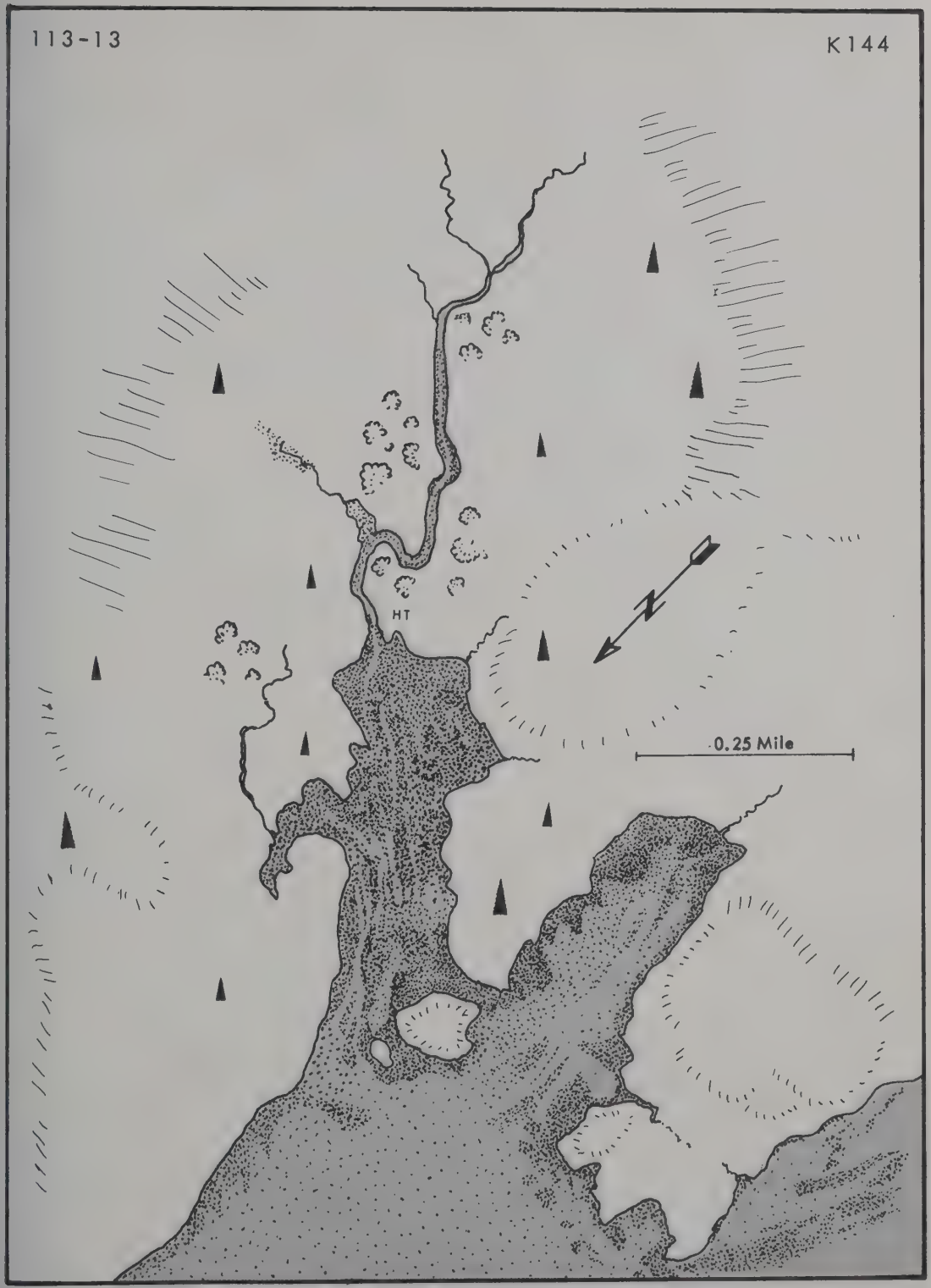
LENGTH ACCESSIBLE AVERAGE WIDTH/DEPTH 10'-20'/8"-10"
GRADIENT AND VELOCITIES
BOTTOM
MARKER DISTANCE
MARKER IDENTIFICATION
BARRIERS
TRIBUTARIES
SCHOOLING AREAS
SPAWNING AREAS The lower part of the stream has a bottom made up largely of bedrock, above this there are gravel areas.
GENERAL NOTES

K 143
Previous No. 131

ESCAPEMENT RECORD

[Counts made by ground surveys are designated by G. Aerial surveys by A]

Date	SURVEYED Miles	By	PINK Live	PINK Dead	CHUM Live	CHUM Dead	OTHER SPECIES Live	REMARKS Adjective rating
1930								
Oct 6		FWS						Very good. Banks, stream mouth full of spawned chum
1940								
Sep 25	G 0.1	FWS	3,000					Good
1941								
Sep 18	G 1.5	ASI						Very good. 150,000 in stream and bay, mostly chum
1948								
Sep 30	G 0.5	FWS	10,300		2,200			Good. 3,000 fish off mouth
1952								
Sep 9	G 1.0	FWS	0		12	3		
1953								
Oct 8	G 0.1	FWS	1		1	80	14 coho	Poor. Old beaver dam present
1955								
Season	G	FWS	3,500		3,500			
1956								
Sep 2		FWS						20,000 pink at mouth
Sep 15	A	FWS	1,000		1,000			
1957								
Sep 11		FWS						5,000-7,000 in bay
Sep 13		FWS			40			10,000 chum at mouth. 25,000 chum in bay
Sep 17		FWS						60,000 at mouth
Sep 21		FWS			30,000			
1961								
Oct 11	G 0.2	ADF&G			9	17		


113-13
K144
HT
0.25 Mile

113-13 K 144
55°10.1' N. 132°09.5 W. Previous No. 131A

KETCHIKAN, CLARENCE STRAIT, CHOLMONDELEY SOUND, KITKUN BAY, S. shore 1.25 miles from head

MAJOR SPECIES Pink, chum OTHER SPECIES Coho
ESCAPEMENT TIMING Late. Sept. -Oct. ESCAPEMENT MAGNITUDE
SPAWNING FACILITIES Good. Restricted by small size.
STREAM TEMPERATURES Warm range. No observed temperatures.
VALLEY DESCRIPTION Glacial origin. The valley lies west of a prominent ridge which borders the valley almost to salt water. Heavily wooded.
DRAINAGE 1 square mile (polar planimeter).
STREAM MOUTH IDENTIFICATION The stream enters Kitkun Bay 1 mile S.W. of K 143. Long tideflat at mouth.
ANCHORAGE Same as for K 143.
TRAILS AND SURVEY ROUTES Above the tideflat the stream is almost entirely overgrown with brush, making travel up the stream bed difficult.
AERIAL SURVEY NOTES Dense brush limits visibility.

INTERTIDAL ZONE

LENGTH 0.7 mile AVERAGE WIDTH/DEPTH
GRADIENT AND VELOCITIES
BOTTOM Gravel and rubble.
LOW TIDE LOCATION
HIGH TIDE LOCATION
SCHOOLING AREAS On edge of tideflats.
SPAWNING AREAS Spawning takes place throughout.
GENERAL NOTES Flows through a long tidal flat.

UPSTREAM

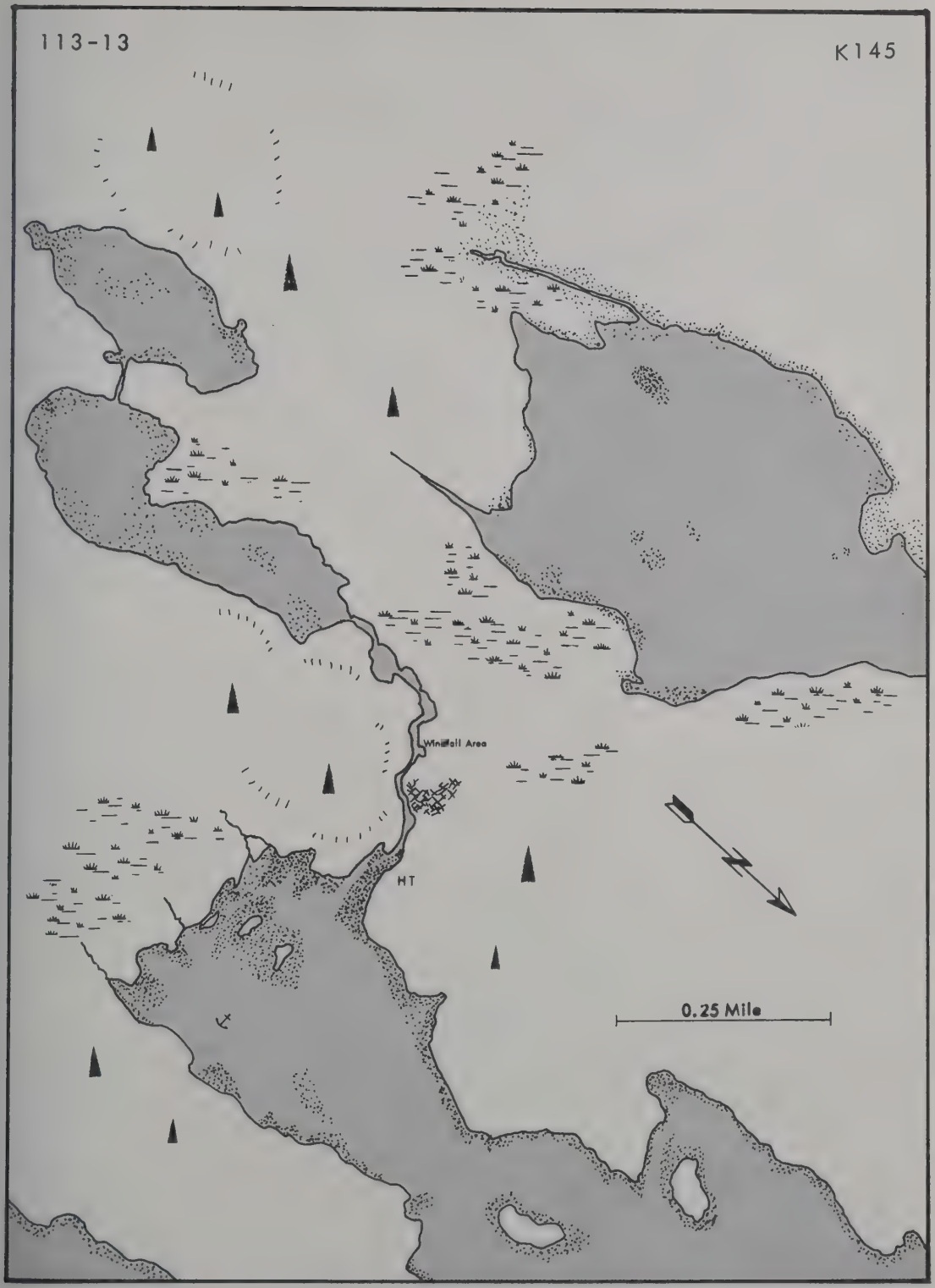
LENGTH ACCESSIBLE AVERAGE WIDTH/DEPTH 20'-30'/4"-6"
GRADIENT AND VELOCITIES
BOTTOM
MARKER DISTANCE
MARKER IDENTIFICATION
BARRIERS Beaver dam 0.3 mile, blocks all fish.
TRIBUTARIES
SCHOOLING AREAS
SPAWNING AREAS
GENERAL NOTES

K 144
Previous No. 131A

ESCAPEMENT RECORD

[Counts made by ground surveys are designated by G. Aerial surveys by A]

Date	SURVEYED Miles	By	PINK Live	PINK Dead	CHUM Live	CHUM Dead	OTHER SPECIES Live	REMARKS Adjective rating
1930								
Oct 6	G	FWS						2,000 in stream. Pink spawned out
1940								
Sep 25	G 0.1	FWS	3,000					Good
1948								
Sep 29	G 0.3	FWS	2,500		2,000			Fair. 3,000 fish off mouth
1949								
Aug 31	G 0.3	FWS	1,000					
1952								
Sep 10	G 0.1	FWS						No fish present
1953								
Sep 18	G 0.3	FWS			50			Poor. Lagoon has fish but stream empty
Sep 26	G	FWS						Many chum in stream
Oct 8	G 0.3	FWS	3		250	550	1 coho	None at mouth
1957								
Sep 13	G 0.5	FWS	0		0			3,000 chum off mouth
1961								
Oct 11	G 0.5	ADF&G			1,150			No fresh fish. Beaver dam stops fish


113-13
K145
Windfall Area
HT
0.25 Mile

113-13 K 145
55°11.5' N. 132°09.4' W. Previous No. 131E

KETCHIKAN, CLARENCE STRAIT, CHOLMONDELEY SOUND, KITKUN BAY, N. shore 2.5 miles from head

MAJOR SPECIES Pink, chum
OTHER SPECIES
ESCAPEMENT TIMING
ESCAPEMENT MAGNITUDE
SPAWNING FACILITIES
STREAM TEMPERATURES Warm range
VALLEY DESCRIPTION
DRAINAGE 3 square miles (polar planimeter).
STREAM MOUTH IDENTIFICATION The mouth is found at the head of a bay which opens towards the E. into the entrance to Kitkun Bay. Enters the bay from the W.
ANCHORAGE Refer to K 143.
TRAILS AND SURVEY ROUTES
AERIAL SURVEY NOTES
GENERAL NOTES No records of escapement or physical features.

INTERTIDAL ZONE

LENGTH
AVERAGE WIDTH/DEPTH
GRADIENT AND VELOCITIES
BOTTOM
LOW TIDE LOCATION
HIGH TIDE LOCATION
SCHOOLING AREAS
SPAWNING AREAS
GENERAL NOTES

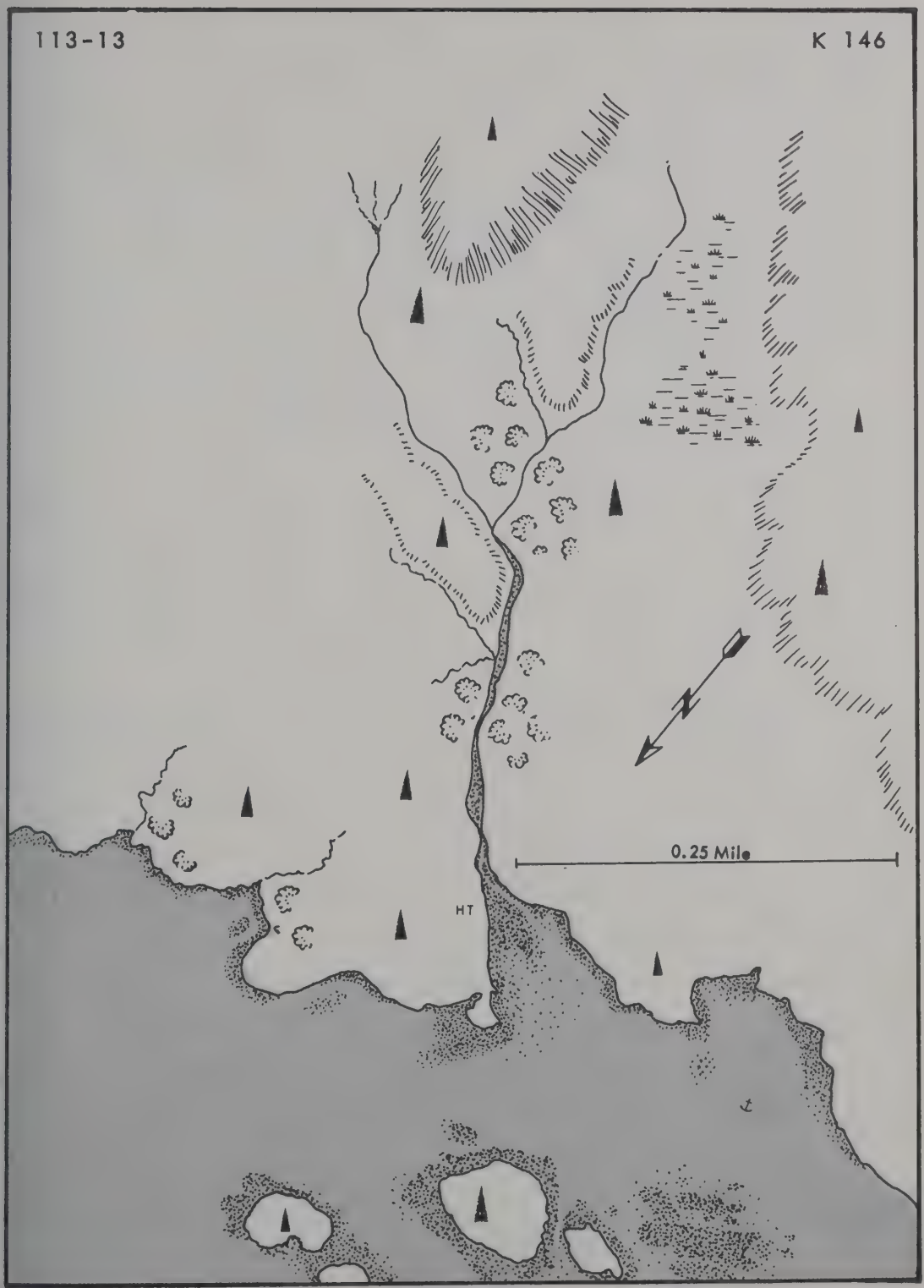
UPSTREAM

LENGTH ACCESSIBLE
AVERAGE WIDTH/DEPTH
GRADIENT AND VELOCITIES
BOTTOM
MARKER DISTANCE
MARKER IDENTIFICATION
BARRIERS Reported to have a 5'-6' impassable falls at the high tide mark.
TRIBUTARIES
SCHOOLING AREAS
SPAWNING AREAS
GENERAL NOTES

ESCAPEMENT RECORD

[Counts made by ground surveys are designated by G. Aerial surveys by A]

	SURVEYED		PINK		CHUM		OTHER SPECIES	REMARKS
Date	Miles	By	Live	Dead	Live	Dead	Live	Adjective rating
1948								
Sep 29	G 0.1	FRI	300		600			Excellent. 200 fish off mouth
1957								
Sep 13	G 0.1	FWS	0		0			None observed off mouth


113-13
K 146
N
0.25 Mile
HT

113-13 K 146
55°13' N. 132°11' W. Previous No. 131F

KETCHIKAN, CLARENCE STRAIT, CHOLMONDELEY SOUND, S. shore 1.6 miles W. of entrance to Kitkun Bay

MAJOR SPECIES None reported
OTHER SPECIES
ESCAPEMENT TIMING Late (estimated)
ESCAPEMENT MAGNITUDE
SPAWNING FACILITIES
STREAM TEMPERATURES Warm range. No observed temperatures.
VALLEY DESCRIPTION Stream-cut. Headwaters are at the base of a 2,000' mountain to the S. Heavily wooded near the mouth. Gradient upstream is steep.
DRAINAGE 2 square miles (polar planimeter). Precipitation fed. A few small lakes are found within this drainage system.
STREAM MOUTH IDENTIFICATION Enters Cholmondeley Sound 1 mile west of the entrance to Kitkun Bay. The mouth lies behind a small island at the head of a bight.
ANCHORAGE
TRAILS AND SURVEY ROUTES
AERIAL SURVEY NOTES Densely covered with brush.
GENERAL NOTES No escapement records.

INTERTIDAL ZONE

LENGTH
AVERAGE WIDTH/DEPTH
GRADIENT AND VELOCITIES
BOTTOM
LOW TIDE LOCATION
HIGH TIDE LOCATION
SCHOOLING AREAS
SPAWNING AREAS
GENERAL NOTES

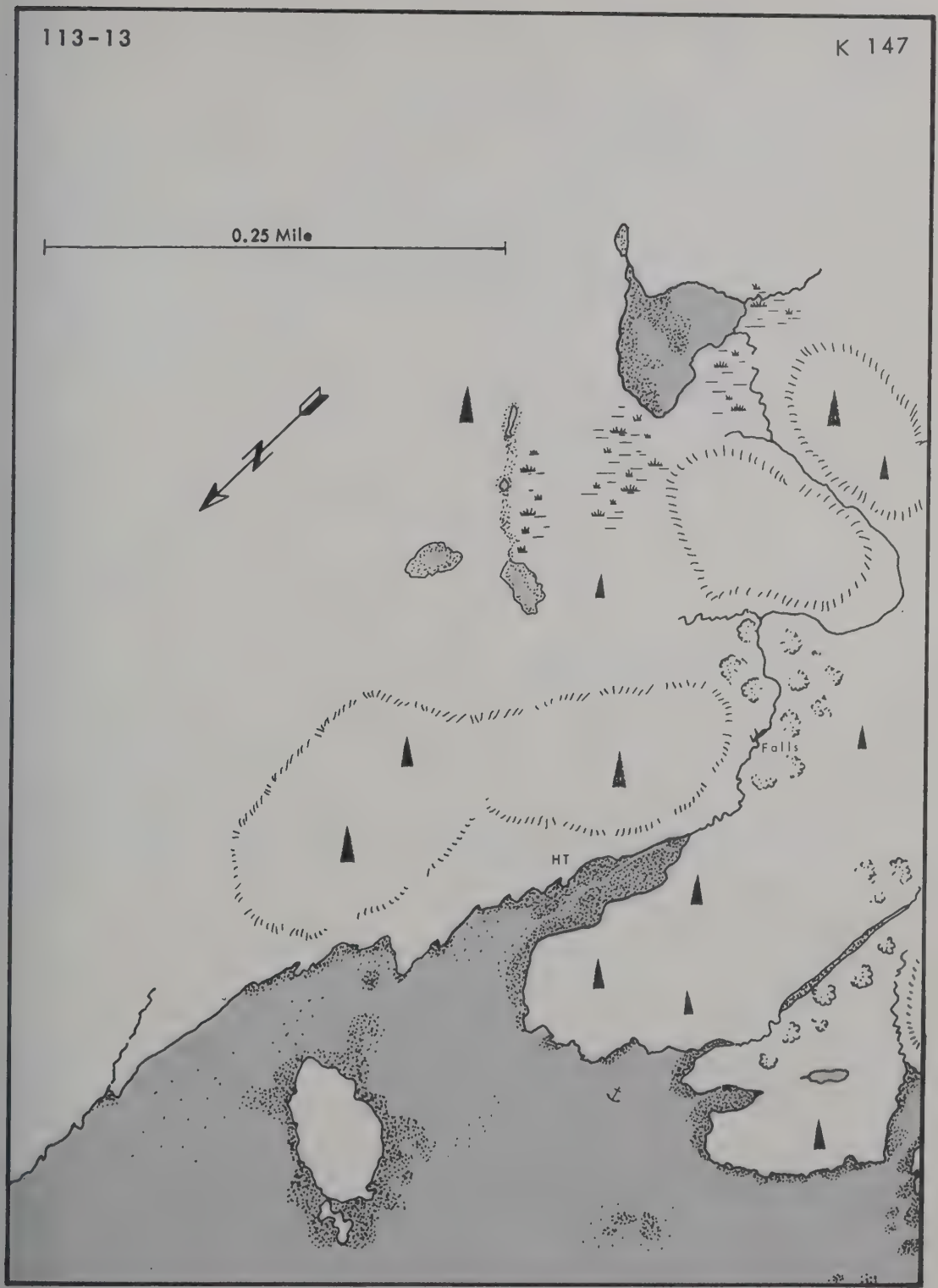
UPSTREAM

LENGTH ACCESSIBLE
AVERAGE WIDTH/DEPTH 15'-20'/6"-8"
GRADIENT AND VELOCITIES
BOTTOM
MARKER DISTANCE
MARKER IDENTIFICATION
BARRIERS
TRIBUTARIES
SCHOOLING AREAS
SPAWNING AREAS
GENERAL NOTES A poor salmon stream

ESCAPEMENT RECORD

[Counts made by ground surveys are designated by G. Aerial surveys by A]

	SURVEYED		PINK		CHUM		OTHER SPECIES	REMARKS
Date	Miles	By	Live	Dead	Live	Dead	Live	Adjective rating
1948								
Sep 29	G 0.1	FWS	400		400			Poor. 250 fish off mouth


113-13
K 147
0.25 Mile
Falls
HT

113-13 K 147
55°12.8' N. 132°14.8' W. Previous No. 132A

KETCHIKAN, CLARENCE STRAIT, CHOLMONDELEY SOUND, DORA BAY, S. shore 2 miles N. E. of head

MAJOR SPECIES Pink, chum OTHER SPECIES Coho
ESCAPEMENT TIMING Late (estimated) ESCAPEMENT MAGNITUDE
SPAWNING FACILITIES
STREAM TEMPERATURES Warm range. No observed temperatures.
VALLEY DESCRIPTION A short valley with a steep hill on the left side of the stream.
DRAINAGE 0.5 square mile (polar planimeter). Precipitation fed.
STREAM MOUTH IDENTIFICATION Enters outer Dora Bay from the S. side in a bight behind the largest wooded island. Tidal flat is about 0..3 mile in length. .
ANCHORAGE Dora Bay may be used as an anchorage, but is not recommended. Anchor at head of bay in 25 to 35 fathoms.
TRAILS AND SURVEY ROUTES
AERIAL SURVEY NOTES
GENERAL NOTES Inadequate escapement records - cannot classify as to importance.

INTERTIDAL ZONE

LENGTH AVERAGE WIDTH/DEPTH
GRADIENT AND VELOCITIES
BOTTOM
LOW TIDE LOCATION
HIGH TIDE LOCATION
SCHOOLING AREAS
SPAWNING AREAS
GENERAL NOTES

UPSTREAM

LENGTH ACCESSIBLE AVERAGE WIDTH/DEPTH 20'-30'/6"-8"
GRADIENT AND VELOCITIES
BOTTOM
MARKER DISTANCE
MARKER IDENTIFICATION
BARRIERS A 6' falls 200' upstream is passable with some difficulty.
TRIBUTARIES None
SCHOOLING AREAS
SPAWNING AREAS Above the falls for 0.3 mile the stream offers fair spawning facilities for chum.
GENERAL NOTES Reported to be a poor salmon stream.

ESCAPEMENT RECORD

[Counts made by ground surveys are designated by G. Aerial surveys by A]

	SURVEYED		PINK		CHUM		OTHER SPECIES	REMARKS
Date	Miles	By	Live	Dead	Live	Dead	Live	Adjective rating
1941								
Sep 15	G	FWS						200,000 in bay & streams
1948								
Sep 29	G 0.1	FWS	300		400			Good. 100 fish at mouth
1953								
Sep 17	G 0.1	FWS			2			Poor
1957								
Sep 13	G 0.3	FWS	25		0			1,000 pink off mouth
1959								
Aug 10	A	FWS	4,000		0			None at mouth

113-13 K 148

55°11.3' N. 132°15.1' W. DORA CREEK Previous No. 132

KETCHIKAN, CLARENCE STRAIT, CHOLMONDELEY SOUND, DORA BAY, Head

MAJOR SPECIES Pink, chum OTHER SPECIES Coho

ESCAPEMENT TIMING Middle to late ESCAPEMENT MAGNITUDE

SPAWNING FACILITIES Poor. Limited spawning area is found in the short distance between the high tide mark and Dora Lake.

STREAM TEMPERATURES Warm range (estimated).

VALLEY DESCRIPTION Flows through a valley cut between high mountains.

DRAINAGE Drains Dora Lake.

STREAM MOUTH IDENTIFICATION The mouth is located at the extreme head of Dora Bay.

ANCHORAGE Same as for K 147.

TRAILS AND SURVEY ROUTES No trails are found along the stream course and travel up the banks is difficult. It is preferable to travel up the streambed.

AERIAL SURVEY NOTES

INTERTIDAL ZONE

LENGTH 200 yards AVERAGE WIDTH/DEPTH 25'/8"-12"

GRADIENT AND VELOCITIES Moderate

BOTTOM Boulders.

LOW TIDE LOCATION

HIGH TIDE LOCATION

SCHOOLING AREAS Schooling takes place in the bay off the creek mouth.

SPAWNING AREAS This zone offers conditions unsuitable for spawning.

GENERAL NOTES

UPSTREAM

LENGTH ACCESSIBLE 0.25 mile to lake AVERAGE WIDTH/DEPTH 20'/12"-15"

GRADIENT AND VELOCITIES Moderate

BOTTOM Heavy gravel interspersed among boulders.

MARKER DISTANCE

MARKER IDENTIFICATION

BARRIERS None.

TRIBUTARIES The inlet to Dora Lake provides good spawning area and supports a salmon run of unknown magnitude.

SCHOOLING AREAS No schooling areas are found.

SPAWNING AREAS The spawning areas are very limited and of poor quality.

GENERAL NOTES This stream connects Dora Lake with the salt water and provides 0.4 mile of stream.

DORA CREEK

ESCAPEMENT RECORD

[Counts made by ground surveys are designated by G. Aerial surveys by A]

Date	SURVEYED Miles	By	PINK Live	PINK Dead	CHUM Live	CHUM Dead	OTHER SPECIES Live	REMARKS Adjective rating
1930								
Oct 5	G 0.3	FWS						Well seeded. 5,000 chum, coho, and pink in stream
1941								
Sep 15		FWS						200,000 chum, coho, and pink in bay stream and K 147
1948								
Sep 29	G 0.3	FWS	6,000		600			Good. 1,000 off mouth
1952								
Sep 10	G 0.3	FWS	35	0	20	0		
1953								
July 12	G	FWS						Nothing in stream. About 1,000 red in entire bay
July 24	A 0.0	FWS						Few jumps, probably red
Aug 30	A 0.3	FWS						Light poor. 2 jumps at mouth
Sep 17	G 0.3	FWS	8		30		1 coho	Poor. 90% fish bright
1955								
Aug 26		FWS	500					5,000 at mouth
Sep 28	G	FWS	10,000		2,000			
1956								
Sep 2		FWS						25,000 pink at mouth
Sep 4		FWS	15,000					
1957								
Aug 19		FWS	100					400 pink at mouth
Aug 28		FWS	500		2,500			
Sep 11		FWS	5,000					
Sep 13		FWS	25					
Sep 16		FWS						Many at mouth
Sep 19		FWS						1,400 chum, 5,600 pink at mouth
Sep 21		FWS	5,000		20,000			Good

113-13 K 149
55° 12.3' N. 132° 16.1' W. Previous No. 132B

KETCHIKAN, CLARENCE STRAIT, CHOLMONDELEY SOUND, DORA BAY, W. shore 1.2 miles from head

MAJOR SPECIES Pink, chum OTHER SPECIES
ESCAPEMENT TIMING Late (estimated) ESCAPEMENT MAGNITUDE
SPAWNING FACILITIES
STREAM TEMPERATURES Warm range (estimated).
VALLEY DESCRIPTION
DRAINAGE 1.9 square miles (polar planimeter).
STREAM MOUTH IDENTIFICATION The stream enters a small bay on the W. shore of Dora Bay just inside its entrance. The bay opens towards the E. and is opposite the largest wooded island in the bay.
ANCHORAGE Same as for K 147.
TRAILS AND SURVEY ROUTES Barrier Falls may be reached by skiff during high tides.
AERIAL SURVEY NOTES

INTERTIDAL ZONE

LENGTH 0.25 mile AVERAGE WIDTH/DEPTH
GRADIENT AND VELOCITIES
BOTTOM
LOW TIDE LOCATION
HIGH TIDE LOCATION
SCHOOLING AREAS
SPAWNING AREAS Salmon spawn throughout. Most of the spawning population utilize this zone.
GENERAL NOTES

UPSTREAM

LENGTH ACCESSIBLE 0.2 mile to falls AVERAGE WIDTH/DEPTH 30'-40'/8"-12"
GRADIENT AND VELOCITIES Steep
BOTTOM
MARKER DISTANCE
MARKER IDENTIFICATION
BARRIERS A 10' falls 900' upstream is a total block to salmon. Two smaller falls are found just above the falls.
TRIBUTARIES
SCHOOLING AREAS
SPAWNING AREAS Fair spawning facilities up to the falls.
GENERAL NOTES

ESCAPEMENT RECORD

[Counts made by ground surveys are designated by G. Aerial surveys by A]

	SURVEYED		PINK		CHUM		OTHER SPECIES	REMARKS
Date	Miles	By	Live	Dead	Live	Dead	Live	Adjective rating
1948								
Sep 29	G 0.2	FWS	2,300		500			Fair. 200 fish off mouth
1952								
Sep 10	G 0.2	FWS						No fish at present

113-13
DISAPPEARANCE CREEK
K 150
High Ridge
pool
pool
pool
HT
High Ridge
0.25 Mile

113-13 DISAPPEARANCE CREEK K 150
55°09' N. 132°18.5' W. Previous No. 134

KETCHIKAN, CLARENCE STRAIT, CHOLMONDELEY SOUND, SOUTH ARM, S.E. head

MAJOR SPECIES Chum OTHER SPECIES Pink
ESCAPEMENT TIMING Late. Sept. -Oct. ESCAPEMENT MAGNITUDE
SPAWNING FACILITIES Fair in the intertidal zone. Poor in the area between the high tide mark and the spring ponds and good in the spring ponds.
STREAM TEMPERATURES Cold range (45.5° F., 9/30/49; 45->45° F., 1950; 46° F., 9/21,51, 46° F., 9/28/51; 47° F., 10/5/52; 46° F., 9/18/53).
VALLEY DESCRIPTION Stream-cut. A heavily wooded valley with an abundance of underbrush.
DRAINAGE 3 square miles (polar planimeter). Precipitation fed. Snowfields E. and W. of the valley along with ground water from the spring ponds are the water source.
STREAM MOUTH IDENTIFICATION The stream enters the S.E. corner of the South Arm. There is a small grass flat on the W. side of the stream.
ANCHORAGE Good anchorage is found at the head of the South Arm. Favor either side of the channel until >1 mile into the bay and then keep to midchannel. . Anchor S. of the small island.
TRAILS AND SURVEY ROUTES Waded without much difficulty. Banks have thick brush, making hiking difficult. An A.D.F.&G. trail follows the left bank to the stream source.
AERIAL SURVEY NOTES Fly up to the lake and make a 180° turn, crossing over and back continuously on the way downstream in order to count.
GENERAL NOTES This stream has large escapements at times. Large numbers of black bear frequent the stream.. Permanent weir cabin was installed by the A.D.F. & G. in 1961.

INTERTIDAL ZONE

LENGTH 0.75 mile AVERAGE WIDTH/DEPTH 30'-40'/10"-20"
GRADIENT AND VELOCITIES Moderate
BOTTOM Gravel in between large rocks.
LOW TIDE LOCATION
HIGH TIDE LOCATION
SCHOOLING AREAS The fish generally school off the mouth, below the low tide mark.
SPAWNING AREAS Chum and a few pink spawn throughout this zone. The bottom composition is rather coarse.
GENERAL NOTES A series of rapids extends almost down to the high tide mark.

UPSTREAM

LENGTH ACCESSIBLE 0.75 mile AVERAGE WIDTH/ DEPTH 15'-40'/8"-10"
GRADIENT AND VELOCITIES Moderate to swift
BOTTOM Small rock, shale, boulders and bedrock.
MARKER DISTANCE
MARKER IDENTIFICATION
BARRIERS None
TRIBUTARIES The stream branches and rejoins just above the intertidal zone.
SCHOOLING AREAS Small pools throughout the stream are utilized for schooling, but schooling is generally heaviest in the spring ponds.
SPAWNING AREAS Fish spawn throughout the stream. The major area is the spring ponds which have a bottom composition of excellent spawning gravel.
GENERAL NOTES

DISAPPEARANCE CREEK

ESCAPEMENT RECORD

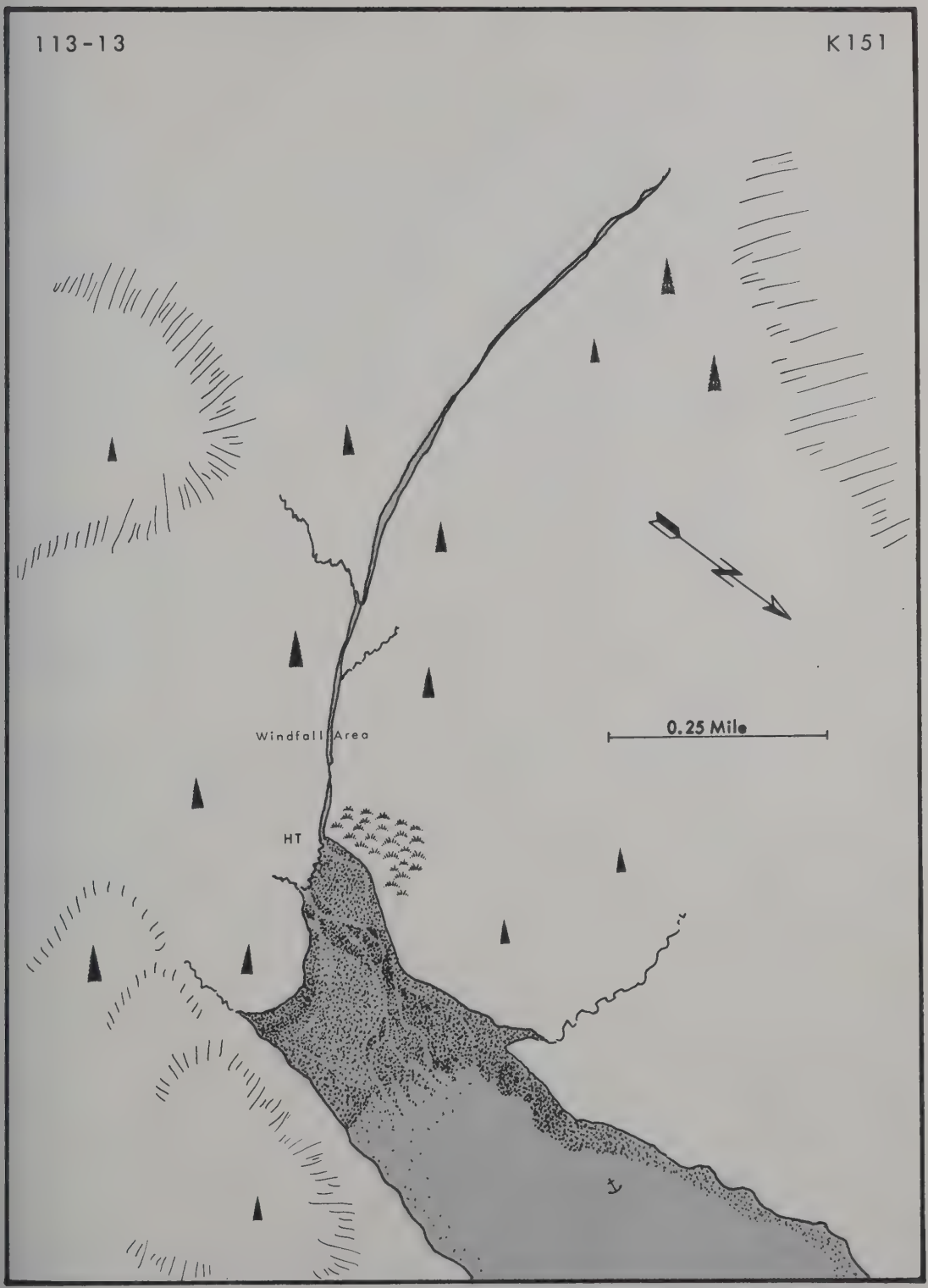
[Counts made by ground surveys are designated by G. Aerial surveys by A]

Date	SURVEYED Miles	By	PINK Live	PINK Dead	CHUM Live	CHUM Dead	OTHER SPECIES Live	REMARKS Adjective rating
1939								
Sep 20	G 0.5	FWS						Poor. Few hundred in stream. Pink off mouth
1941								
Oct 3	G 0.3	FWS	16,000		4,000			Excellent. 5,000 off mouth
1942								
Sep 23	G 0.3	FWS	200		1,800			Excellent. 1,500 fish off mouth
1943								
Sep 30	G 0.5	FWS	15,000		10,000			Good. 2,000 fish off mouth
1946								
Oct 5	G 0.5	FWS	6,000		6,000			Good. 3,000 fish off mouth
1947								
Oct 3	G 0.2	FRI,FWS	90,000		10,000			Excellent. 150,000 fish off mouth
Oct 5	G 0.5	ASI						Excellent. 75,000 fish in stream and bay
1948								
Sep 29	G 0.4	FWS	3,600		3,000			Good. 30,000 fish off mouth
1949								
Sep 9	G 0.5	FRI	6		3,937	34		
Sep 30	G 0.5	FRI	400	42	20,638	2,450		>25,000 fish off mouth
Oct 8	G 0.5	FRI	7,900	1	9,900	18,000		Majority of chum dead. 5,000 off mouth
1950								
Sep 15	G 0.5	FRI	1	0	196	0		
Sep 27	G 0.5	FRI	110	5	8,690	95		
Oct 6	G 0.5	FRI	625	2	17,625	2,490		10,000 chum off mouth
1951								
Sep 21	G 0.5	FRI	0	0	6,500	200		10,000-20,000 fish inside fishing markers
Sep 28	G 0.5	FRI	0	0	18,600	1,700		25,000 chum and over 5,000 pink in bay
1952								
Sep 8	G 0.3	FRI	0	0	2	0		Few chum in bay. Too early
Sep 19	A 0.1	ADF&G			150			Many jumpers midway down Arm
Sep 20	G 0.4	FWS	0		1,500	0		300 chum at mouth
Sep 21	G 0.5	FRI	0	0	2,800			Predatory kills of chum. Fair to good showing in bay
Oct 5	G 0.5	FRI	60	0	33,700	3,600		5,000-8,000 chum off mouth
1953								
Sep 7	G 0.5	FRI	0	0	0	0		40 coho and 250 chum off mouth
Sep 18	G 0.5	FRI	2	0	5,000	0		
Sep 19	G 0.5	ADF&G			5,900			Few dead chum
Sep 25	G 0.4	FWS			35,000			Stream high. 8,000-10,000 at mouth
Oct 3	G 0.5	FRI		0	23,000	3,000	Several coho	5,000-10,000 chum at mouth
Oct 7	G 0.5	FWS	4	1	15,000	5,500		3,000-4,000 chum at mouth
1954								
Sep 28	G .5	FRI			9,600	500		Several pink. 2,000 chum, few pink at mouth
1955								
Sep 15	G 0.5	FWS	150		60,200			
Sep 19	G 0.5	FRI	2,000					
Sep 25	G 0.5	FRI	5,000					Several thousand at mouth
Sep 28	A 0.5	FRI			5,000			5,000 at mouth
1956								
Sep 29	G 0.5	FRI			13,000			4,000 chum at mouth
1957								
Sep 12	G 0.5	FWS	0		75			Few jumps. 3,000-4,000 chum at mouth
Sep 15	A 0.5	FRI			400	0		Several thousand chum at mouth
Sep 18		FWS						6,000 chum at mouth
Sep 27	A 0.5	FRI			4,000	>200		Few pink. 5,000 chum at mouth
Sep 29		FWS			12,000			1,500 chum at mouth
Oct 19		FWS						5,000 chum at mouth

ESCAPEMENT RECORD

[Counts made by ground surveys are designated by G. Aerial surveys by A]

Date	SURVEYED Miles	By	PINK Live	PINK Dead	CHUM Live	CHUM Dead	OTHER SPECIES Live	REMARKS Adjective rating
1958								
Sep 7	A 0.5	FWS						Few pink present. Many jumpers off mouth
Sep 20	A 0.5	FWS			8,000			Some live pink. 5,000 at mouth
1959								
Sep 20	G	FWS			7,500			
1960								
Aug 29	A	ADF&G	0		0			None at mouth
Sep 2	A	ADF&G	0		0			100 chum at mouth
Sep 6	A	ADF&G	0		>400			8,000-10,000 chum at mouth
Sep 29	G	ADF&G	0		3,500			250 chum at mouth
1961								
Aug 16	A	ADF&G						None observed
Aug 18	A	ADF&G						None observed
Sep 1	A	ADF&G			150			100 at mouth - schooled
Sep 13	A	ADF&G			2,600			6,000 at mouth - most spawning
Sep 20	A	ADF&G			5,100			1,000+ - most spawning - well spread
Sep 22	A	ADF&G			2,400			Some at mouth - many dead
Oct 6	A	ADF&G			1,200			Some at mouth - many dead
Oct 11	G	ADF&G			1,500			Some at mouth - run over


113-13
K151
Windfall Area
0.25 Mile
HT

113-13 K 151
55°09.5' N. 132°20.51 W. Previous No. 134A

KETCHIKAN, CLARENCE STRAIT, CHOLMONDELEY SOUND, SOUTH ARM, S.W. head

MAJOR SPECIES Pink, chum OTHER SPECIES
ESCAPEMENT TIMING Late. Sept. -Oct. ESCAPEMENT MAGNITUDE
SPAWNING FACILITIES Fair. The upper intertidal zone is reported to be the major spawning area.
STREAM TEMPERATURES Warm range (Observed temperature: 43° F., 9/10/49.).
VALLEY DESCRIPTION The valley runs S. for only a short distance before it splits. One branch goes to the base of the mountains to the S.E., the other to the ridge to the W.
DRAINAGE 2.3 square miles (polar planimeter). Precipitation fed. A snowfield lies in the S.E. corner of the valley and probably contributes snow melt at certain times of the year.
STREAM MOUTH IDENTIFICATION The stream enters the S.W. corner of the head of South Arm. A large grass flat is found at the mouth.
ANCHORAGE See Disappearance Creek (K 150).
TRAILS AND SURVEY ROUTES Travel is easy along the stream bed. No trails.
AERIAL SURVEY NOTES For best aerial coverage of this stream fly up the N. side of the valley and down the S. side.
GENERAL NOTES A small stream having a good escapement at times.

INTERTIDAL ZONE

LENGTH 150 yards AVERAGE WIDTH/DEPTH 15'/24"
GRADIENT AND VELOCITIES Moderate
BOTTOM Gravel and rubble
LOW TIDE LOCATION
HIGH TIDE LOCATION
SCHOOLING AREAS
SPAWNING AREAS The upper part of this zone is spawned in heavily by both chum and pink.
GENERAL NOTES

UPSTREAM

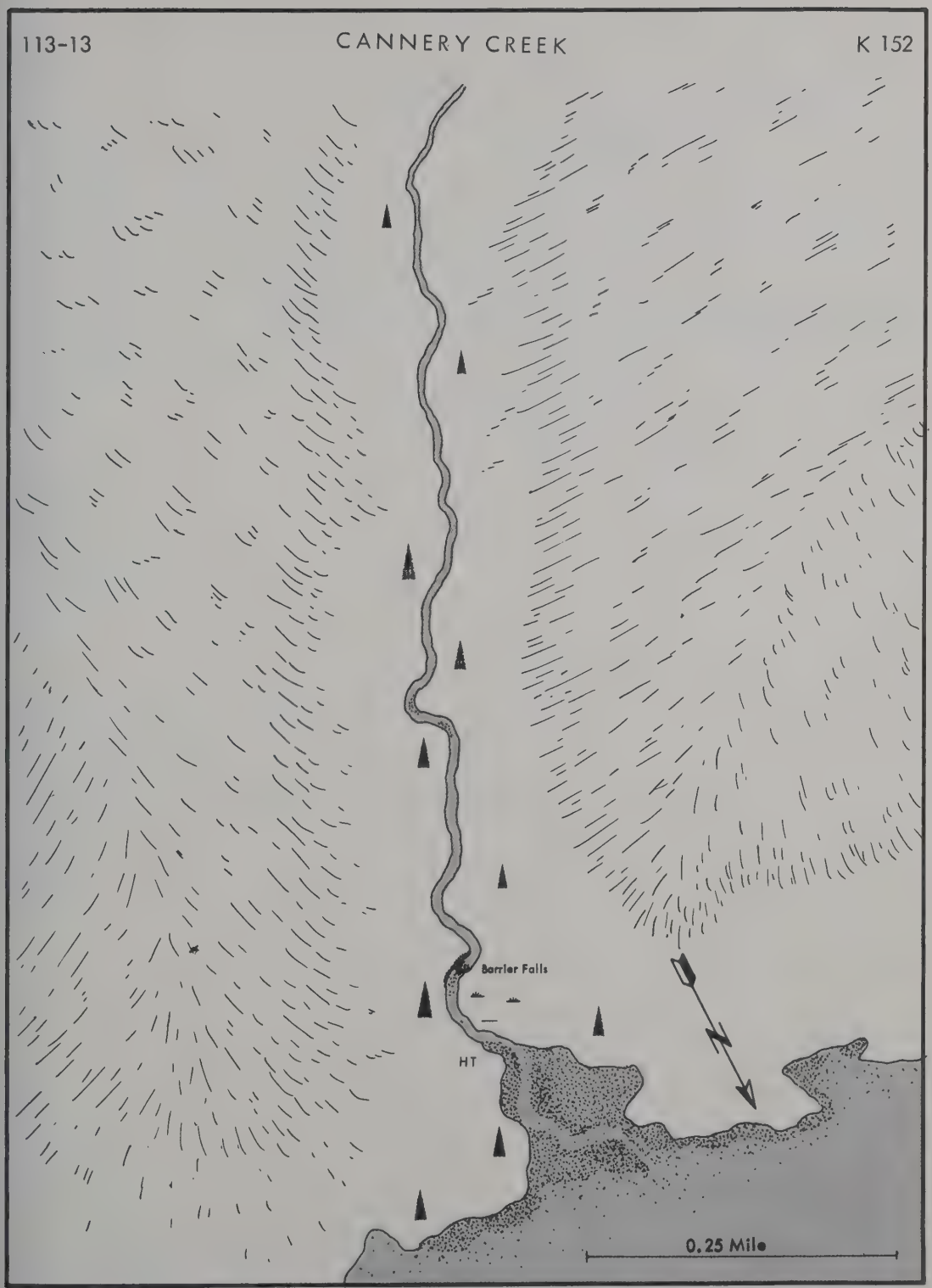
LENGTH ACCESSIBLE AVERAGE WIDTH/DEPTH 12'-30'/10"-15"
GRADIENT AND VELOCITIES Moderate
BOTTOM Gravel and small rock.
MARKER DISTANCE
MARKER IDENTIFICATION
BARRIERS None
TRIBUTARIES About
SCHOOLING AREAS
SPAWNING AREAS Limited.
GENERAL NOTES

K 151
Previous No. 134A

ESCAPEMENT RECORD

[Counts made by ground surveys are designated by G. Aerial surveys by A]

Date	SURVEYED Miles	By	PINK Live	PINK Dead	CHUM Live	CHUM Dead	OTHER SPECIES Live	REMARKS Adjective rating
1939								
Sep 20		FWS						Poor. Few hundred in stream. Pink schooled in bay
1941								
Oct 3	G 1.0	FWS	12,000		3,000			Excellent
1942								
Sep 23	G 0.3	FWS	200		2,300			Excellent. 3,000 fish off mouth
1943								
Sep 30	G 0.3	FWS	10,000		5,000			Fair. 1,000 fish off mouth
1946								
Oct 5	G 0.8	FWS	2,500					Good. 1,000 fish off mouth
1947								
Oct 3	G 0.3	FRI,FWS	80,000		20,000			Good. 10,000 fish off mouth
1948								
Sep 29	G 0.6	FWS	2,000		3,000			Good. 1,500 fish off mouth
1949								
Sep 10	G 0.5	FRI	500		503			
Oct 8	G 0.1	FRI	1,000	35	1,000	5,000		No fish off mouth
1952								
Sep 20	G 0.2	FWS	0		100	0		200 chum at mouth
1953								
Sep 15	G 0.0	FWS	0		1,000			Fresh
Sep 18	G 0.5	FRI	1		1,500	35		Stream 3"-6" above normal. Dead predator kills
Sep 19		ADF&G	6		1,470			
Sep 26	G 0.1	FWS						Probably 3,000 fish. Stream flooding
1954								
Sep 4	A 0.5	FWS						Stream low
1959								
Sep 7	G	FRI	0		150			None at mouth
Sep 30	A	ADF&G	0		30,000			
Oct 1	G	FRI	0		50,000			
1960								
Aug 25	A	ADF&G	0		0			None at mouth
Sep 2	A	ADF&G	0		0			None at mouth
Sep 6	A	ADF&G	0		0			None at mouth
1961								
Aug 16	A	ADF&G						None observed
Sep 1	A	ADF&G						50 at mouth
Sep 13	A	ADF&G						None observed
Oct 11	G 0.2	ADF&G			50			All old


113-13
CANNERY CREEK
K 152
Barrier Falls
HT
0.25 Mile

113-13 CANNERY CREEK K 152
55° 15. 3' N. 132° 20' W. Previous No. 135

KETCHIKAN, CLARENCE STRAIT, CHOLMONDELEY SOUND, WEST ARM, S. shore 5. 7 miles from head

MAJOR SPECIES Pink, chum OTHER SPECIES
ESCAPEMENT TIMING Late. Sept. -Oct. ESCAPEMENT MAGNITUDE
SPAWNING FACILITIES Fair
STREAM TEMPERATURES Warm range (estimated).
VALLEY DESCRIPTION Glacial origin. A steep-sided valley with heavy forestation along the streambanks. Some bedrock outcrops occur on the ridge to the west.
DRAINAGE 2. 5 square miles (polar planimeter). Precipitation fed.
STREAM MOUTH IDENTIFICATION The stream enters the West Arm from the S. and is found 1 mile W. of the entrance to the South Arm. Tidal flat 0. 3 mile in length. Remains of old cannery are still on flats.
ANCHORAGE Shelter for small craft may be found in the small indentation on the S. shore just W. of the confluence of the two arms.
TRAILS AND SURVEY ROUTES The margins of the stream are very brushy. May be waded at low water.

INTERTIDAL ZONE

LENGTH 0. 1 mile AVERAGE WIDTH/DEPTH
GRADIENT AND VELOCITIES Moderate
BOTTOM
LOW TIDE LOCATION
HIGH TIDE LOCATION
SCHOOLING AREAS
SPAWNING AREAS There is very little spawning area available in this zone.
GENERAL NOTES

UPSTREAM

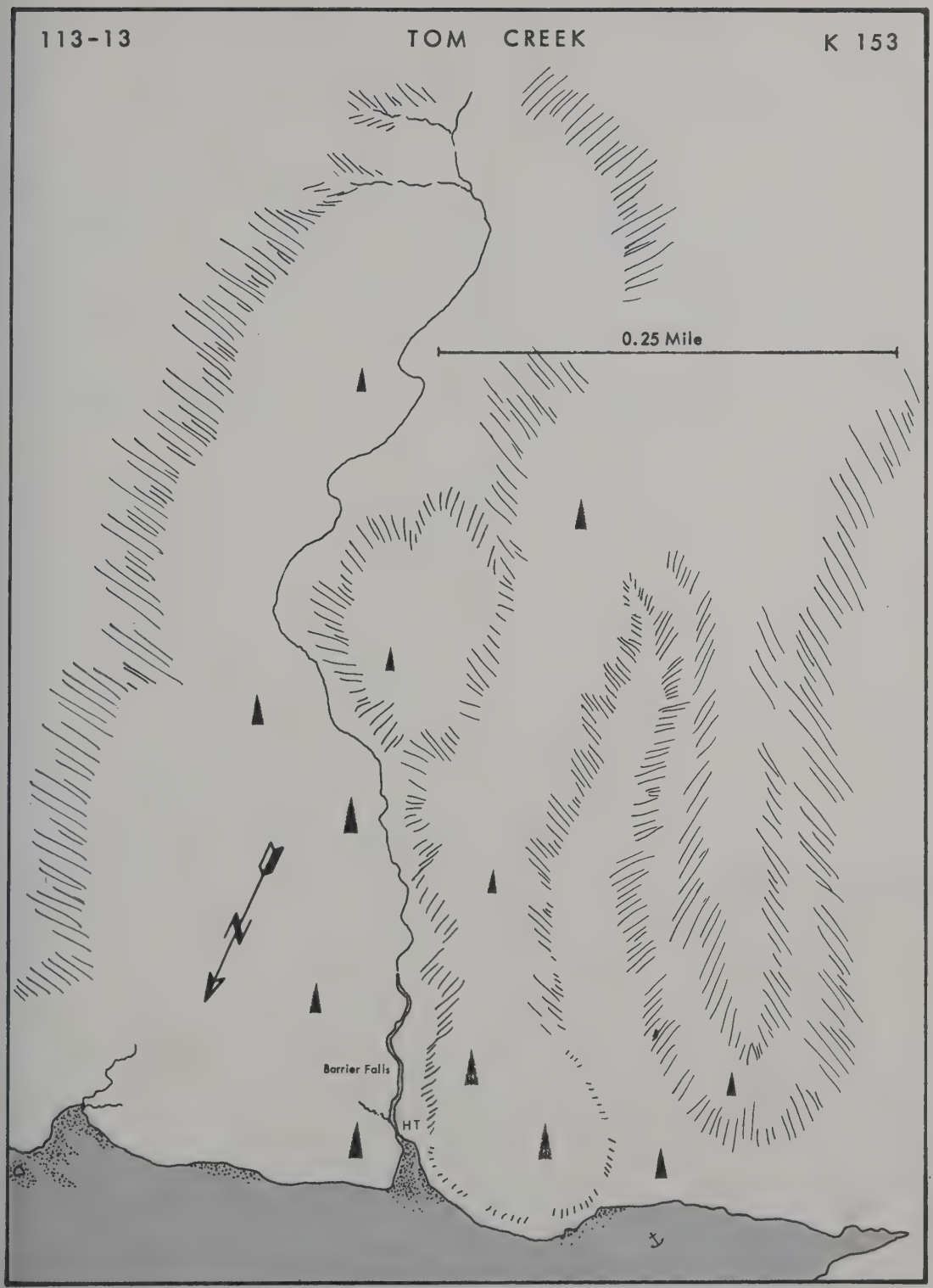
LENGTH ACCESSIBLE 0. 4 miles to falls AVERAGE WIDTH/DEPTH 12'-15'/9"-12"
GRADIENT AND VELOCITIES Steep
BOTTOM Gravel, rock and bedrock
MARKER DISTANCE
MARKER IDENTIFICATION
BARRIERS Falls 0. 4 mile upstream obstructs the passage of fish.
TRIBUTARIES None reported.
SCHOOLING AREAS
SPAWNING AREAS
GENERAL NOTES

CANNERY CREEK

ESCAPEMENT RECORD

[Counts made by ground surveys are designated by G. Aerial surveys by A]

Date	SURVEYED Miles	By	PINK Live	PINK Dead	CHUM Live	CHUM Dead	OTHER SPECIES Live	REMARKS Adjective rating
1930								
Sep 30		FWS						Stream at flood. Good indications of good run
1940								
Sep 24	G 0.4	FWS	4,000					Good
1941								
Oct 3	G 0.4	FWS	4,000					Excellent. 1,500 fish off mouth
1942								
Sep 23	G 0.4	FWS	500		2,500			Fair. 3,000 fish at mouth
1945								
Sep 26	G 0.4	FWS	4,500		1,500			Excellent. 10,000 fish at mouth
1947								
Oct 5		ASI						Good pink, chum escapement
1948								
Sep 29	G0.3	FWS	2,000		2,000			Excellent. 2,000 fish at mouth
1952								
Sep 12	G0.4	FWS						No fish present
1953								
Sep 10	G0.4	FWS	200		450			Poor to fair. About 300 in salt water, 95% fresh
Sep 19	G0.4	FWS	200		450			95% fresh. 300 in salt water
1957								
Sep 12	G0.4	FWS	0		122			500 chum off mouth
Sep 17		FWS			250			800 chum at mouth
1961								
Aug 18	A	ADF&G						None observed
Sep 1	A	ADF&G						None observed
Oct 11	G 0.2	ADF&G			75			All spawning


113-13
TOM CREEK
K 153
0.25 Mile
Barrier Falls
HT

113-13 TOM CREEK K 153
55° 15.5' N. 132° 22.5' W. Previous No. 135A

KETCHIKAN, CLARENCE STRAIT, CHOLMONDELEY SOUND, WEST ARM, S. shore 4 miles from head

MAJOR SPECIES Pink, chum OTHER SPECIES
ESCAPEMENT TIMING Late. Sep. -Oct. (Est.)
SPAWNING FACILITIES Good.
STREAM TEMPERATURES Warm range. (No observed temperatures.)
VALLEY DESCRIPTION Glacial origin. A steep-sided valley heading in a glacial cirque at the base of a 3,000' mountain. Heavy brush along stream banks. Valley is 2 miles in length.
DRAINAGE 2.3 square miles (polar planimeter). Precipitation fed. A large snowfield at the upper end of the valley contributes to the water source as well as surface runoff.
STREAM MOUTH IDENTIFICATION The stream enters the West Arm from the S. and is about half way between K 152 and K 154. A small tideflat, heavily wooded to the high tide mark, is found at the mouth.
ANCHORAGE Same as for K 154.
TRAILS AND SURVEY ROUTES Heavy brush and no trails make hiking difficult.
AERIAL SURVEY NOTES

INTERTIDAL ZONE

LENGTH 0.1 mile AVERAGE WIDTH/ DEPTH 50'/18"
GRADIENT AND VELOCITIES
BOTTOM
LOW TIDE LOCATION
HIGH TIDE LOCATION
SCHOOLING AREAS
SPAWNING AREAS
GENERAL NOTES Very little spawning occurs in this area.

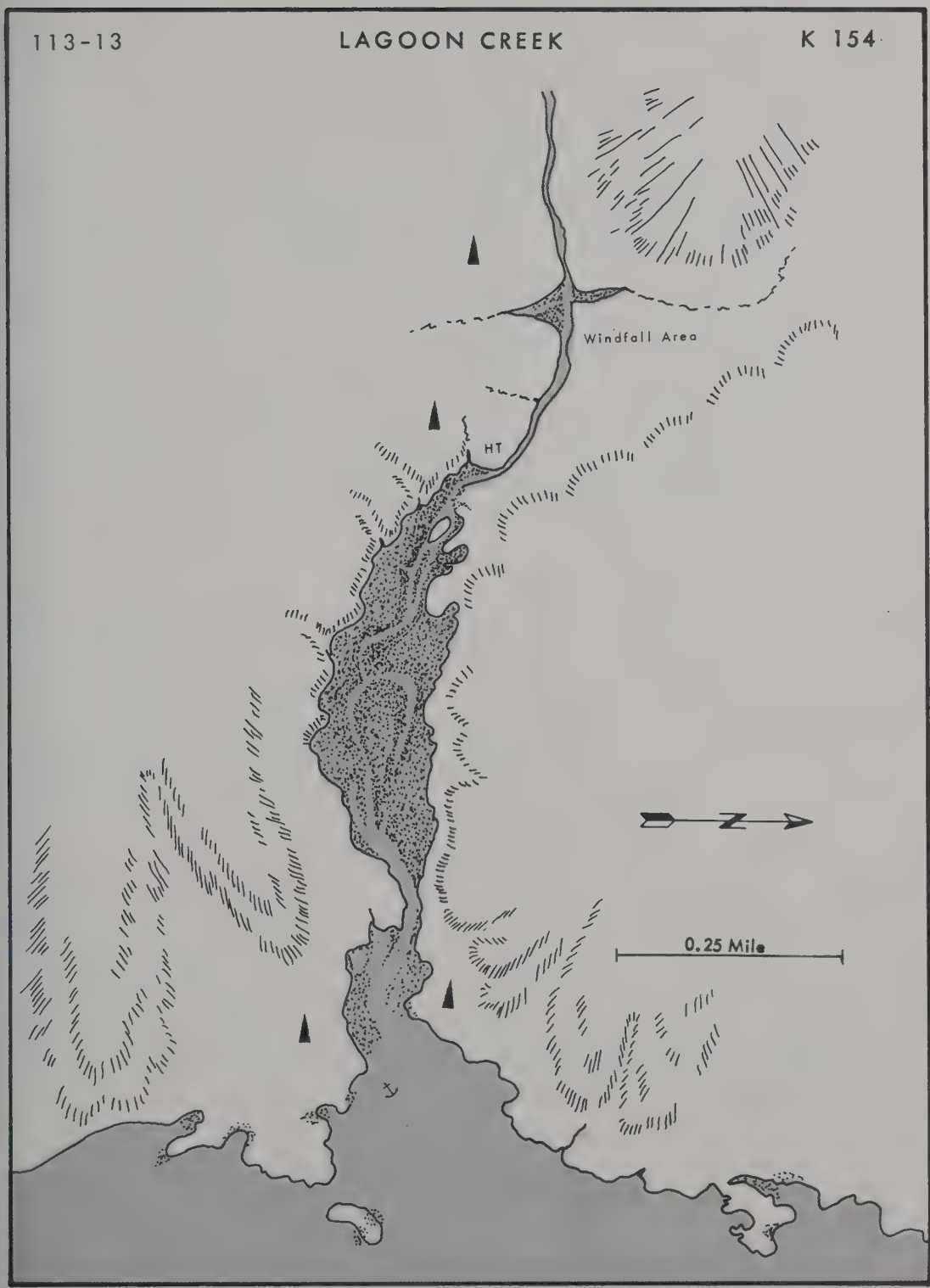
UPSTREAM

LENGTH ACCESSIBLE 0.2 mile to Barrier Falls AVERAGE WIDTH/DEPTH 30'-40'/10"
GRADIENT AND VELOCITIES Steep
BOTTOM Rock and bedrock.
MARKER DISTANCE
MARKER IDENTIFICATION
BARRIERS A 30' falls 0.2 mile upstream blocks all fish passage.
TRIBUTARIES
SCHOOLING AREAS
SPAWNING AREAS
GENERAL NOTES

ESCAPEMENT RECORD

[Counts made by ground surveys are designated by G. Aerial surveys by A]

Date	SURVEYED Miles	By	PINK Live	PINK Dead	CHUM Live	CHUM Dead	OTHER SPECIES Live	REMARKS Adjective rating
1937								
Oct 6	G	FWS	75,000		25,000			Very good. Several thousand at mouth
1940								
Sep 24	G	FWS	50,000					Excellent
1941								
Oct 3	G 1.5	FWS	100,000		15,000			Excellent. 10,000 at mouth
1942								
Sep 3	G 1.8	FWS			40			
Sep 22	G 1.8	FWS	35,000		25,000			Excellent. 40,000 at mouth
1945								
Sep 26	G 1.8	FWS	15,000		35,000			Excellent. 20,000 at mouth
1948								
Sep 29	G 0.1	FWS	100		250			Excellent. 1,000 fish off mouth


113-13
LAGOON CREEK
K 154
Windfall Area
HT
N
0.25 Mile

113-13 LAGOON CREEK K 154
55° 14.6' N. 132° 23.8' W. Previous No. 136

KETCHIKAN, CLARENCE STRAIT, CHOLMONDELEY SOUND, WEST ARM, S. shore 3.1 miles from head

MAJOR SPECIES Pink, chum OTHER SPECIES Coho, red, trout
ESCAPEMENT TIMING Late. Sept. -Oct. ESCAPEMENT MAGNITUDE
SPAWNING FACILITIES Excellent in the upstream area and the upper intertidal zone.
STREAM TEMPERATURES Warm range (Observed temperatures: 43° F., 9/20/51, 45° F., 9/28/51; 47° F., 9/21/52, 43° F., 10/5/52; 45° F., 9/7/53, 45° F., 9/20/53, 47° F., 9/24/54).
VALLEY DESCRIPTION Glacial origin. Two miles upstream the valley splits, the shorter tributary going to the W. Both valleys narrow and terminate in high mountains.
DRAINAGE 14 square miles (polar planimeter). Precipitation fed. Large snow fields are found on both sides of the valley and on the ridge dissecting the two valleys.
STREAM MOUTH IDENTIFICATION The stream enters a lagoon which opens into the West Arm on the S. shore just W. of the most easterly group of small wooded islands. A tidal flat 1.2 miles long runs along both banks.
ANCHORAGE Good anchorage with ample room for swinging is found just inside the wooded islands. Enter directly from the main channel.
TRAILS AND SURVEY ROUTES In the intertidal zone the left bank may be followed most easily. Above the intertidal zone the stream may be waded at times of normal water level.
AERIAL SURVEY NOTES The stream is open except for dense brush along the sides and aerial survey seems satisfactory. About 1.5 miles upstream the mountains converge rapidly and form a canyon which makes it necessary to turn around at this point.

INTERTIDAL ZONE

LENGTH 1.2 miles AVERAGE WIDTH/DEPTH 60'-100'/12"-24"
GRADIENT AND VELOCITIES Gentle to moderate
BOTTOM Small rock, gravel, and sand.
LOW TIDE LOCATION
HIGH TIDE LOCATION Just above the point where the stream meets the hill on the E. side of the valley at the upper end of the tide flat.
SCHOOLING AREAS The majority of the schooling takes place in the deeper water in the lower stream and off the mouth from the low tide mark to the small island.
SPAWNING AREAS Salmon spawn throughout this zone, but the area from mid tide to the high tide mark appears to be the best spawning area.
GENERAL NOTES

UPSTREAM

LENGTH ACCESSIBLE >2 miles AVERAGE WIDTH/DEPTH 50'-125'/6"-12"
GRADIENT AND VELOCITIES Moderate
BOTTOM Small rocks, gravel, and sand.
MARKER DISTANCE
MARKER IDENTIFICATION
BARRIERS None.
TRIBUTARIES None reported.
SCHOOLING AREAS Numerous pools throughout the streams length provide shelter for schooling salmon.
SPAWNING AREAS Good spawning areas are interspersed throughout the entire distance surveyed.
GENERAL NOTES

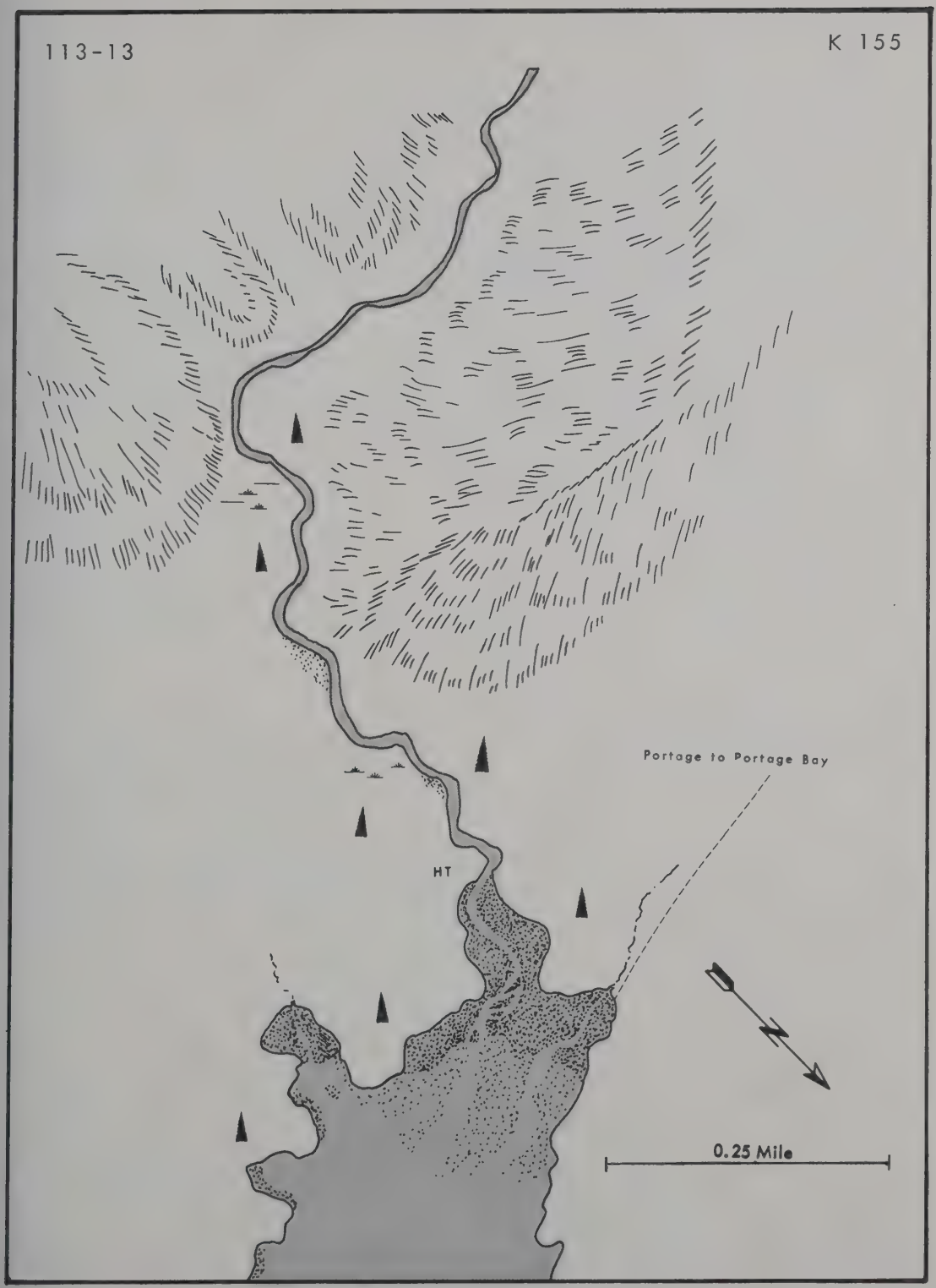
LAGOON CREEK

ESCAPEMENT RECORD

[Counts made by ground surveys are designated by G. Aerial surveys by A]

Date	SURVEYED Miles	By	PINK Live	PINK Dead	CHUM Live	CHUM Dead	OTHER SPECIES Live	REMARKS Adjective rating
1935								
Season		FWS						Poor escapement
1936								
Season		FWS						Good escapement
1937								
Season		FWS						Poor escapement
1938								
Season		FWS						Good escapement
1939								
Sep 20		FWS						5,000 in stream. Several schools at mouth
1946								
Oct 5	G 1.0	FWS	13,000		12,000			Good. 5,000 fish in bay
1947								
Oct 5	G 1.5	FWS						Many chum in bay. Good escapement of chum, pink
1948								
Aug 10	G 1.0	ASI						No fish in stream
Aug 18	G 0.5	ASI						No fish in stream
Aug 24	G 0.3	ASI						Few chum
Sep 1	G 1.0	FRI			410			Pink off mouth
Sep 7	G 0.3	ASI	1,000		1,750			
Sep 14	G 1.0	ASI	600		1,000	300	2 coho	
Sep 29	G 1.3	FWS	7,450		9,300		315 coho, 16 red	Good. 30,000 off mouth
Oct 5	G 0.5	ASI	3,000		20,000	5,000	50 coho	Good
1950								
Sep 27	A 1.5	FRI						Estimated 5,000 fish, presumably chum
1951								
Sep 20	G 0.5	FRI	3,700	20	430	0	Some coho, 2 red	4,000 pink, 20,000 chum off mouth
Sep 28	G 0.5	FRI	600		3,700	1,000		Few dead pink. Poor visibility. Water rising rapidly. Poor count
1952								
Sep 8	G 0.3	FRI	4	0	8	0	1 red	Very few fish in locality
Sep 11	G 0.5	FWS	40		30			600 chum in lagoon
Sep 19	A	ADF&G						Good showing. Chum jumpers
Sep 21	G 0.5	FRI	45	0	830	0	7 coho, 1 red	5,000-8,000 chum in lagoon
Oct 5	G 0.5	FRI	75		5,700		150 coho	Few dead pink
1953								
Sep 7	G 0.3		11	0	20	0	3 coho	100 chum off mouth
Sep 19	G 0.5	FWS	900		5,000			2,000-3,000 chum, 500-600 pink. salt wat
Sep 20	G 0.5	ADF&G	90		2,330		2 coho	Few hundred chum in upper lagoon, 5,000 or more near fishing markers
Sep 20	G 0.5	FRI	460	0	6,320	50	60 coho, 1 red	5,000 chum off mouth. Fish fresh, fish moving up
Sep 25	G 1.5	FWS	1,500		8,000			1,500 fish in lagoon
Oct 2	G 0.1		50		1,650		Some coho	8,000-10,000 chum at mouth. Flooding
Oct 7	G 0.5	FWS	590	11	2,030	490	350 coho, 1 red	2,000-4,000 at mouth
1954								
Sep 4	A 0.5	FWS	0					Stream low
Sep 8	A 0.5	FRI	400					Few at mouth
Sep 19		FWS	400					Poor. Low water
Sep 24	G 0.5	FRI	2,800		3,100			

Date	SURVEYED Miles	By	PINK Live	PINK Dead	CHUM Live	CHUM Dead	OTHER SPECIES Live	REMARKS Adjective rating
1955								
Sep 19	A 0.5	FRI	7,000		2,000			15,000 chum & pink at mouth
Sep 23	A 0.5	FRI	7,000		9,000			3,000 chum above marker, 7,000 at mouth
Sep 26		FWS	10,000		10,000			
Sep 28	A 0.5	FRI	9,000		8,000			5,000 chum at mouth. Some dead chum, pink
1956								
Sep 9	A 0.5	FRI						Few chum, pink. >20,000 chum at mouth
Sep 20	A 0.5	FRI	3,000		1,000			75,000 chum at mouth, many in bay
Sep 29	A 0.5	FRI	13,000		>2,000			Some dead chum, pink. 20,000 chum at mouth. 10,000 chum above marker
1957								
Sep 12	G 2.0	FWS	50		400			30,000 off mouth
Sep 15	A 0.5	FRI	200	0	100	0		>15,000 chum at mouth
Sep 17		FWS	150		2,850			15,000 chum at mouth
Sep 27	A 0.5	FRI			4,000	>200		Few pink
Sep 29					16,000			2,000 at mouth
Oct 19		FWS	150		5,000			Fair
1958								
Sep 7	A 0.5	FWS	200					Good vis. 200 schooled off mouth
Sep 20	A 0.5	FWS			4,600			8,000-10,000 schooled at mouth
1961								
Aug 18	A	ADF&G	20					50 at mouth - water low
Sep 1	A	ADF&G			100			200 at mouth
Sep 13	A	ADF&G			100			1,000 at mouth
Sep 20	A	ADF&G			3,200			1,000 at mouth - fish well spread
Oct 6	A	ADF&G			3,100			1,500 at mouth


113-13
K 155
Portage to Portage Bay
HT
N
0.25 Mile

113-13 K 155
55° 16. 2' N. 132° 29' W. Previous No. 137

KETCHIKAN, CLARENCE STRAIT, CHOLMONDELEY SOUND, WEST ARM, Head

MAJOR SPECIES Pink, chum OTHER SPECIES Coho
ESCAPEMENT TIMING Late. Sept. -Oct. ESCAPEMENT MAGNITUDE
SPAWNING FACILITIES Good to excellent.
STREAM TEMPERATURES Warm range (Observed temperatures: 46° F., 9/6/53, 45° F., 9/20/53).
VALLEY DESCRIPTION Stream-cut. The valley runs in a N. -S. direction. One mile upstream the valley walls rise sharply away from the stream. Extensive outcropping on the ridge to the W.
DRAINAGE 4. 5 square miles (polar planimeter). Precipitation fed. Snowfields encompass the upper end of the valley, contributing snowmelt at certain times of the year. Surface runoff probably also contributes.
STREAM MOUTH IDENTIFICATION Enters the head of the West Arm from the S. side. This stream and K 155A enter a large tide flat; K 155 enters the S. E. corner.
ANCHORAGE Refer to K 154.
TRAILS AND SURVEY ROUTES Relatively easy to travel up either bank.
AERIAL SURVEY NOTES Fly up the W. side of the stream and swing back down the valley.

INTERTIDAL ZONE

LENGTH 0. 5 mile AVERAGE WIDTH/DEPTH
GRADIENT AND VELOCITIES
BOTTOM Gravel.
LOW TIDE LOCATION
HIGH TIDE LOCATION
SCHOOLING AREAS
SPAWNING AREAS Spawning is limited in this zone.
GENERAL NOTES

UPSTREAM

LENGTH ACCESSIBLE AVERAGE WIDTH/DEPTH 20'-30'/12"-16"
GRADIENT AND VELOCITIES Moderate
BOTTOM Gravel and small boulders.
MARKER DISTANCE 0. 8 mile
MARKER IDENTIFICATION
BARRIERS
TRIBUTARIES
SCHOOLING AREAS Numerous large pools.
SPAWNING AREAS Reported to be an excellent spawning stream with numerous gravel riffles.
GENERAL NOTES

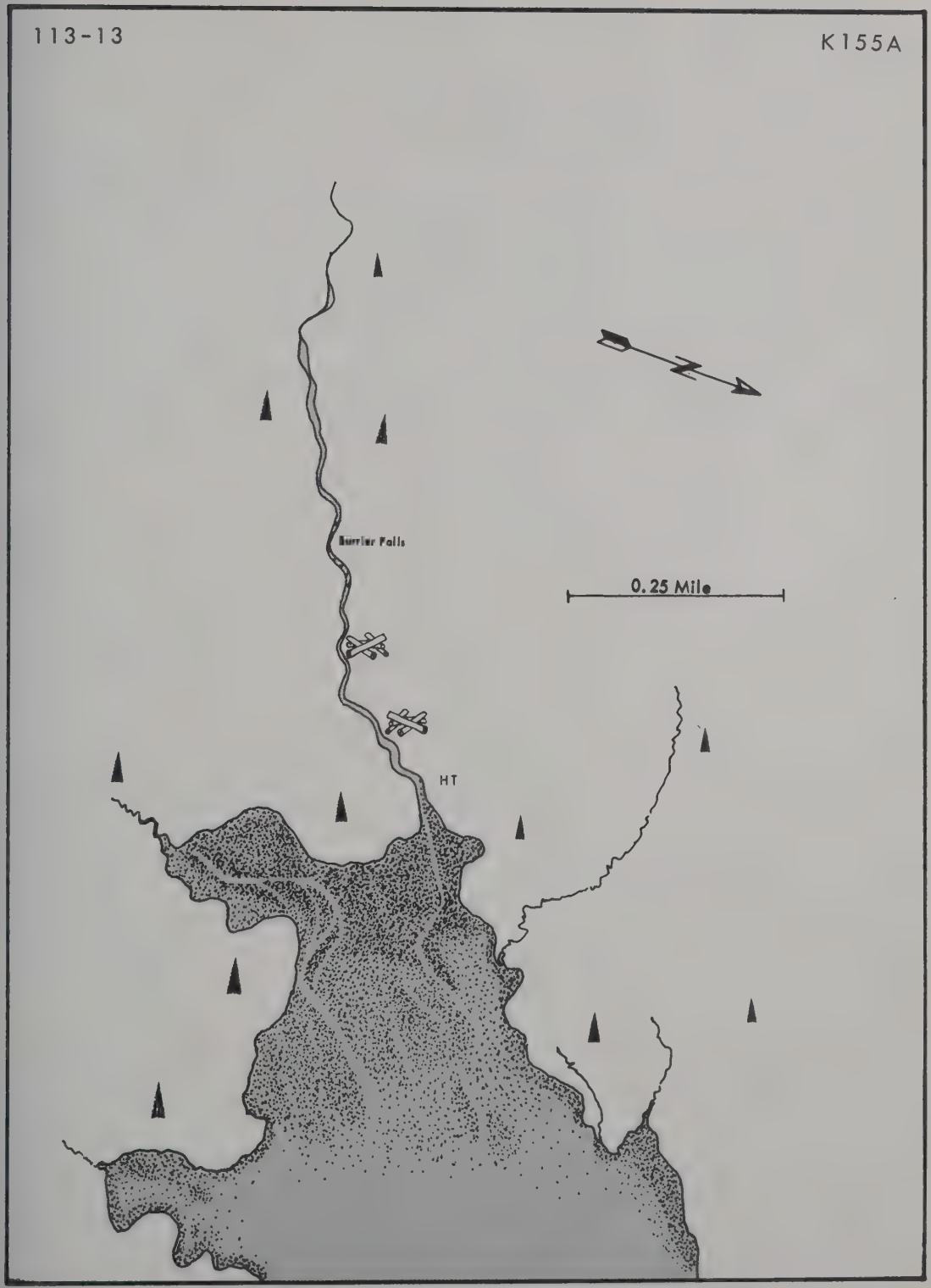
ESCAPEMENT RECORD

[Counts made by ground surveys are designated by G. Aerial surveys by A]

Date	SURVEYED Miles	By	PINK Live	PINK Dead	CHUM Live	CHUM Dead	OTHER SPECIES Live	REMARKS Adjective rating
1946								
Oct 5	G 1.3	FWS	8,000		5,000			Fair. 2,000 fish at mouth
1947								
Oct 3	G 1.0	FWS	45,000		35,000			Excellent. 20,000 fish at mouth
1948								
Sep 29	G 1.0	FWS	2,300		9,500			Good. 15,000 fish at mouth
1952								
Sep 11	G 0.4	FWS						No fish present
1953								
Sep 6	G 0.5	FRI	1	0	0	0		250 chum, 40 coho off mouth
Sep 19	G 0.8	FWS	150		600			3,000-4,000 fish working to stream
Sep 20	G 0.5	FRI	160	0	970	0		Chum fresh. Visibility 100%
Oct 7	G 1.0	FWS	9	1	1,100	214		200 chum at mouth
1954								
Sep 28	A 0.8	FRI			1,500			Few 100 at mouth. Visibility not good
1956								
Sep 2		FWS						150,000 pink at mouth
Sep 29	A 0.3	FRI	8,000					Chum present
1957								
Sep 17		FWS	300		800			
Sep 29		FWS			6,000			Poor
Oct 19		FWS						200 chum at mouth
1959								
Sep 20	A	ADF&G	0		2,500			None at mouth
1960								
Sep 20	G 0.5	ADF&G	30		90			None at mouth
1961								
Aug 18	A	ADF&G						200 at mouth
Sep 1	A	ADF&G						50 at mouth
Oct 11	G 0.5	ADF&G	200		800			

113-13

K155A



113-13 K 155A
55°16.3' N. 132°29.2' W. Previous No. 137A

KETCHIKAN, CLARENCE STRAIT, CHOLMONDELEY SOUND, WEST ARM, N. shore 0.5 mile from head

MAJOR SPECIES Pink, chum OTHER SPECIES
ESCAPEMENT TIMING Late. Sept. -Oct. ESCAPEMENT MAGNITUDE
SPAWNING FACILITIES Good.
STREAM TEMPERATURES Warm range (estimated).
VALLEY DESCRIPTION Glacial origin. The valley widens to 3 miles at its upper end. Heavily wooded. The headwaters are adjacent to those of Portage Creek (WC 14).
DRAINAGE 3 square miles (polar planimeter). Precipitation fed. Small snowfields N. and S. of the valley probably contribute to the water source along with surface runoff.
STREAM MOUTH IDENTIFICATION The stream enters the N. W. corner of the tideflat at the head of West Arm. The same flat into which K 155 enters.
ANCHORAGE See K 154.
TRAILS AND SURVEY ROUTES No trails. Travel is easiest in the stream bed for the first 300 to 400 yards, at this point the stream becomes overgrown with brush and travel is difficult.
AERIAL SURVEY NOTES Only a short part of the lower section of stream may be surveyed from the air.
GENERAL NOTES Has good escapements at times.

INTERTIDAL ZONE

LENGTH 0.5 mile AVERAGE WIDTH/DEPTH
GRADIENT AND VELOCITIES Moderate
BOTTOM Gravel.
LOW TIDE LOCATION
HIGH TIDE LOCATION
SCHOOLING AREAS
SPAWNING AREAS
GENERAL NOTES

UPSTREAM

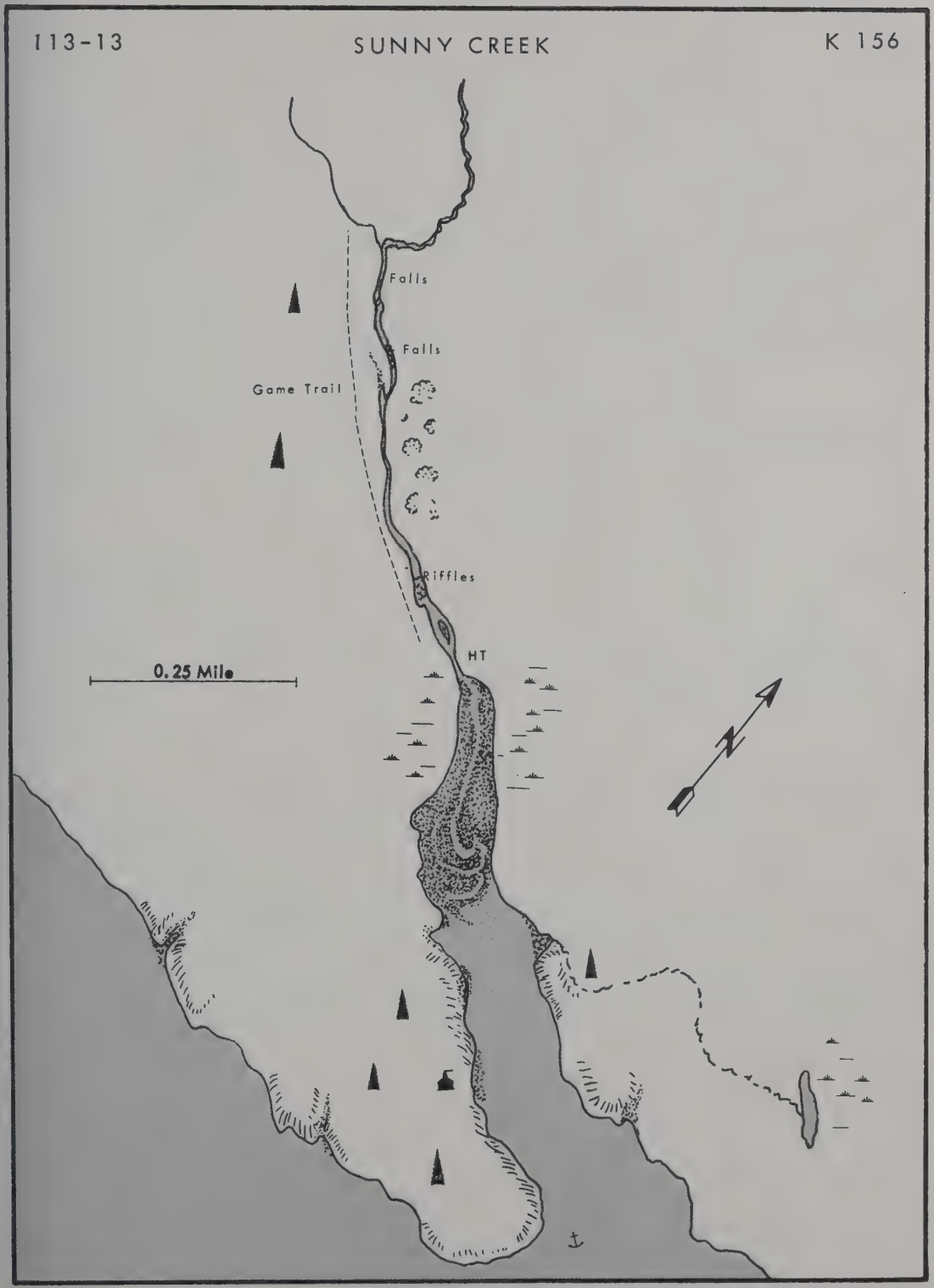
LENGTH ACCESSIBLE 0.25 mile AVERAGE WIDTH/DEPTH 10'-15'/8"
GRADIENT AND VELOCITIES
BOTTOM Gravel and small rock.
MARKER DISTANCE
MARKER IDENTIFICATION
BARRIERS A 40' water fall is found 500 yards upstream, falling through a distance of 50', broken into 5 steps--probably impassable.
TRIBUTARIES The stream splits into 4 small tributaries 0.25 mile above the mouth.
SCHOOLING AREAS
SPAWNING AREAS The stream offers good spawning facilities in the first quarter mile.
GENERAL NOTES

K 155A
Previous No. 137A

ESCAPEMENT RECORD

[Counts made by ground surveys are designated by G. Aerial surveys by A]

Date	SURVEYED Miles	By	PINK Live	Dead	CHUM Live	Dead	OTHER SPECIES Live	REMARKS Adjective rating
1946								
Oct 5	G 0.5	FWS	3,000		2,000			Fair
1947								
Oct 3	G 0.3	FRI-FWS	35,000		5,000			Excellent
1948								
Sep 29	G 0.4	FWS	1,900		2,100			Good
1953								
Sep 19	G 0.3	FWS	1		5			Poor
1956								
Sep 2		FWS						100,000 pink at mouth
1957								
Aug 29		FWS						100 chum, 900 pink at mouth
Sep 29		FWS			6,000			
1960								
Sep 29	G 0.3	ADF&G	2		0			None at mouth
1961								
Oct 11	G 0.2	ADF&G			100			


113-13
SUNNY CREEK
K 156
Falls
Falls
Game Trail
Riffles
HT
0.25 Mile

113-13 SUNNY CREEK K 156
55° 16.3' N. 132° 16.9' W. Previous No. 133

KETCHIKAN, CLARENCE STRAIT, CHOLMONDELEY SOUND, SUNNY COVE, Head

MAJOR SPECIES Pink, chum OTHER SPECIES Coho, red
ESCAPEMENT TIMING Late ESCAPEMENT MAGNITUDE
SPAWNING FACILITIES Good in the upper intertidal zone and lower part of the upstream area. Bottom composition becomes coarse upstream.
STREAM TEMPERATURES Warm range (Observed temperatures: 50° F., 9/15/50; 47.5° F., 9/27/50; 47° F., 9/21/51; 48° F., 9/28/51; 47°-48° F., 1952; 51° F., 9/7/53 50° F., 9/20/53).
VALLEY DESCRIPTION Glacial origin. The valley splits 2 miles upstream, and each branch contains a fork of the creek. The headwaters of the W. branch are near Barren Mountain, 3400' in height.
DRAINAGE 9 square miles (polar planimeter). Precipitation fed. Snowfields at the upper and E. side of the valley. A few small lakes to the S.
STREAM MOUTH IDENTIFICATION The stream enters the head of Sunny Cove. Grass flats are found on both the E. and W. sides of the mouth.
ANCHORAGE The cove affords good anchorage for small craft.
TRAILS AND SURVEY ROUTES The stream can be easily waded in its lower reaches, but due to boulders travel becomes difficult above the bedrock constriction. Fair game trails follow the N. bank.
AERIAL SURVEY NOTES Satisfactory for aerial survey.
GENERAL NOTES One of the better streams in Cholmondeley Sound.

INTERTIDAL ZONE

LENGTH 0.6 mile AVERAGE WIDTH/DEPTH 35'-50'/15"
GRADIENT AND VELOCITIES
BOTTOM Medium gravel to coarse.
LOW TIDE LOCATION
HIGH TIDE LOCATION
SCHOOLING AREAS There are no deep pools in the intertidal zone; fish tend to school off the mouth.
SPAWNING AREAS Spawning takes place throughout the intertidal zone, but increases progressively upstream.
GENERAL NOTES

UPSTREAM

LENGTH ACCESSIBLE >2 miles AVERAGE WIDTH/DEPTH 30'-40'/10"
GRADIENT AND VELOCITIES Moderate
BOTTOM Medium coarse gravel and boulders.
MARKER DISTANCE
MARKER IDENTIFICATION
BARRIERS A 6' falls 1 mile upstream could be a partial block at times of low water.
TRIBUTARIES 1.5 miles upstream the stream forks. The right fork appears to be the larger of the two.
SCHOOLING AREAS The large pool found in the bedrock constriction is the major schooling area. Other pools are also available.
SPAWNING AREAS The major part of the spawning takes place just above the high tide mark. Additional spawning takes place throughout the upper reaches, but is confined by areas of bedrock.
GENERAL NOTES

ESCAPEMENT RECORD

[Counts made by ground surveys are designated by G. Aerial surveys by A]

Date	SURVEYED Miles	By	PINK Live	PINK Dead	CHUM Live	CHUM Dead	OTHER SPECIES Live	REMARKS Adjective rating
1930								
Sep 30		FWS						Stream at flood stage. Good showing, thousands of dead
1937								
Oct 1		FWS						Large schools of pink at stream mouth. Stream full
1939								
Sep 20		FWS	50,000					Excellent
1941								
Sep 20		ASI						100,000 pink at stream mouth
Oct 3	G 0.5	FWS	50,000		5,000			Excellent
1942								
Sep 3	G 0.0	FWS						No fish in stream
Sep 23	G 0.0	FWS	7,000		45,000			Excellent. 6,000 pink at mouth
1943								
Sep 30	G 0.5	FWS	15,000		5,000			Fair. 5,000 fish off mouth
1947								
Oct 2	G 0.5	FRI,FWS	30,000		20,000			Good
Oct 4	G 0.5	ASI						Very good escapement of chum & pink
1948								
Aug 10	G 0.5	FRI					20 red	
Aug 24	G 0.5	ASI						Few chum
Aug 31	G 0.0	FRI			280			
Sep 8	G 0.5	ASI	200		2,500		10 coho	
Sep 14	G 0.5	ASI	500		950	270	20 red	
Sep 23	G 0.5	ASI	7,000		2,500			Good
Sep 27	G 0.5	ASI	6,000		2,700	1,500		
Sep 30	G 0.5	FWS	12,525		8,400			Excellent. 5,000 fish off mouth
Oct 5	G 0.5	ASI	8,000		7,500	5,500		Good
1949								
Sep 10	G 0.5	FRI	1,575	6	595	133	14 red	
Sep 30	G 0.5	FRI	5,875	193	2,080	1,969	1 red	
Oct 8	G 0.5	FRI	1,936	98	864	144		
1950								
Sep 15	G 0.5	FRI	160	0	63	0	27 red, 0 dead red	
Sep 27	G 0.5	FRI	2,450	25	600	35	8 red, 0 dead red	
Oct 6		FRI						Flooding
1951								
Sep 21	G 0.5	FRI	2,800	150	1,550	200	Few coho, 35 red	5,000 chum, 4,000 pink off mouth
Sep 28	G 0.5	FRI	5,200		2,900			Some dead chum, pink. Poor visibility Fish ascending
1952								
Sep 8	G 0.3	FRI	42	0	25	0	2 red	All pink in intertidal. Too early
Sep 19	G 0.5	FRI	600		1,000		6 coho	400 chum, 200 pink at mouth
Sep 21	G 0.3	FRI	460	10	310		2 coho, 9 red	Few dead chum. About 1,000 pink at mouth
Oct 6	G 0.3	FRI	700	75	1,700	150	Several coho	
1953								
Sep 7	G 0.5	FRI	378	0	84	0	2 coho, 22 red	Several hundred chum, pink off mouth
Sep 18	G 0.5	FWS	2,600		3,000			Fair. 90% fresh. 300-400 chum, 300-400 pink in salt water
Sep 20	G 0.5	FRI	1,190	6	1,403	25	18 red, 1 dead red	500 off mouth. Visibility 80%

Date	SURVEYED Miles	By	PINK Live	PINK Dead	CHUM Live	CHUM Dead	OTHER SPECIES Live	REMARKS Adjective rating
1954								
Sep 4	A 0.5	FWS	0					Small school at mouth
Sep 15	A 0.5	FRI						Some pink, few chum. 12,000 pink in bay. Poor visibility
Sep 28	G 0.5	FRI	13,400	500	1,000	100		13,000 pink off mouth
1955								
Aug 26		FWS						5,000 at mouth
Sep 19	A 0.5	FRI			2,000			10,000 chum at mouth
Sep 23	A 0.5	FRI	12,000					Some chum. 8,000 fish at mouth
Sep 23	A	FWS	12,000					8,000 at mouth
Sep 28	A 0.5	FRI	20,000					Some chum. Many dead chum, pink. 5,000 pink at mouth
Sep 28	A	FWS	36,000		4,000			5,000 at mouth
1956								
Sep 15	A	FWS	25,000					25,000 pink at mouth
Sep 20	A 0.5	FRI	16,000					Some chum, few dead pink. 30,000 at mouth, chum in bay
Sep 29	A 0.5	FRI	18,000	>2,000				Chum present. Some at mouth. Spawning
1957								
Aug 19		FWS	600					1,000 pink at mouth
Aug 28		FWS	500					
Sep 3		FWS	5,000					
Sep 11		FWS	12,000					
Sep 13	G 0.3	FWS	350		350			135 dead. 2,000 pink, 1,000 chum off mouth
Sep 15	A 0.5	FRI	1,000					Some chum, some dead chum & pink. 4,000 pink, 5,000 chum at mouth. Some spawning
Sep 19		FWS	5,000					10,000 pink at mouth
Sep 27	A 0.5	FRI	1,000		8,000	>200		Some dead pink. Few at mouth.
1958								
Sep 7	A 0.5	FWS	3,000					Few chum
Sep 20	A 0.5	FWS	200					Fair visibility. Many dead
1959								
Sep 20	A	ADF&G	3,500		0			5,500 at mouth
1960								
Aug 25	A	ADF&G	0		0			None at mouth
Sep 2	A	ADF&G	0		0			None at mouth
Sep 6	A	ADF&G	0		0			Water dark. Visibility poor
Sep 14	A	ADF&G	200				10 coho	Some chum. 1,200 at mouth
Sep 29	A	ADF&G	>600		0			None at mouth
1961								
Aug 18	A	ADF&G						10,000 at mouth. None in stream water low
Sep 1	A	ADF&G						1,000 at mouth. Many in stream Visibility poor
Sep 13	A	ADF&G						3,000 at mouth. Many dead Visibility poor
Sep 30	A	ADF&G						11,500 pink and chum - all spawning

113-13 K 156A
55° 15.5' N. 132° 14.4' W. Previous No. 133C

KETCHIKAN, CLARENCE STRAIT, CHOLMONDELEY SOUND, 0.8 mile E. of entrance to Sunny Cove

MAJOR SPECIES Pink, chum
OTHER SPECIES
ESCAPEMENT TIMING Late (estimated)
ESCAPEMENT MAGNITUDE
SPAWNING FACILITIES Good
STREAM TEMPERATURES Warm range
VALLEY DESCRIPTION
DRAINAGE
STREAM MOUTH IDENTIFICATION Enters the sound on the N. shore 1 mile E. of the entrance to Sunny Cove.
ANCHORAGE Suitable anchorage for small craft is found in Sunny Cove (K 156).
TRAILS AND SURVEY ROUTES
AERIAL SURVEY NOTES
GENERAL NOTES A very small stream of little importance as a salmon producer.

INTERTIDAL ZONE

LENGTH
AVERAGE WIDTH/DEPTH
GRADIENT AND VELOCITIES
BOTTOM
LOW TIDE LOCATION
HIGH TIDE LOCATION
SCHOOLING AREAS
SPAWNING AREAS
GENERAL NOTES

UPSTREAM

LENGTH ACCESSIBLE 0.4 mile
AVERAGE WIDTH/DEPTH 15'/12"
GRADIENT AND VELOCITIES
BOTTOM Gravel
MARKER DISTANCE
MARKER IDENTIFICATION
BARRIERS Falls .0.4 mile upstream are of unknown height.
TRIBUTARIES
SCHOOLING AREAS
SPAWNING AREAS
GENERAL NOTES

ESCAPEMENT RECORD

[Counts made by ground surveys are designated by G. Aerial surveys by A]

Date	SURVEYED Miles	By	PINK Live	PINK Dead	CHUM Live	CHUM Dead	OTHER SPECIES Live	REMARKS Adjective rating
1940								
Sep 24	G	FWS	4,000					Good
1947								
Oct 5	G	ASI						Good escapement of chum & pink
1953								
Sep 20	G 0.3	FWS			2			No fish

113-11 CLOVER CREEK K 157
55°17.3' N. 132°10.4' W. Previous No. 137B

KETCHIKAN, CLARENCE STRAIT, CLOVER BAY, Head

MAJOR SPECIES Pink, chum OTHER SPECIES Trout
ESCAPEMENT TIMING Late (estimated) ESCAPEMENT MAGNITUDE
SPAWNING FACILITIES Poor in the intertidal zone. Excellent above the canyon for a distance of 1 mile.
STREAM TEMPERATURES Warm range (Observed temperature: 52° F., 9/14/57).
VALLEY DESCRIPTION A valley heavily wooded with spruce, hemlock and cedar, surrounded by rolling hills. Some muskeg areas.
DRAINAGE 9 square miles (polar planimeter)
STREAM MOUTH IDENTIFICATION Lies at the head of Clover Bay and is reached by traveling through the islands and bearing toward the S. W. corner of the bay.
ANCHORAGE The head of the bay is blocked by islands, but a suitable anchorage is found just inside the bay entrance.
TRAILS AND SURVEY ROUTES The stream is difficult to survey. The stream bed should be followed.
AERIAL SURVEY NOTES Overhung by trees and brush. Proper light conditions are necessary for aerial surveying.

INTERTIDAL ZONE

LENGTH 0.2 mile AVERAGE WIDTH/DEPTH 35'-45'/10"-15"
GRADIENT AND VELOCITIES Gentle to moderate
BOTTOM Small rocks and boulders.
LOW TIDE LOCATION
HIGH TIDE LOCATION
SCHOOLING AREAS In the bay off the creek mouth.
SPAWNING AREAS Spawning occurs in scattered areas near the high tide mark, but this zone is for the most part unsuitable for spawning.
GENERAL NOTES

UPSTREAM

LENGTH ACCESSIBLE 1.7 miles AVERAGE WIDTH/DEPTH 30'-35'/12"
GRADIENT AND VELOCITIES Moderate
BOTTOM Small rock, boulders, bedrock and gravel.
MARKER DISTANCE
MARKER IDENTIFICATION
BARRIERS A 20' falls 1.7 miles upstream is impassable to salmon.
TRIBUTARIES
SCHOOLING AREAS Few small pools.
SPAWNING AREAS Some spawning gravel is available in the lower 0.5 mile, but the best spawning area is above a canyon 0.5 mile upstream. This area has excellent spawning gravel and extends for about 1 mile.
GENERAL NOTES

CLOVER CREEK

K 157
Previous No. 137B

ESCAPEMENT RECORD

[Counts made by ground surveys are designated by G. Aerial surveys by A]

Date	SURVEYED Miles	By	PINK Live	PINK Dead	CHUM Live	CHUM Dead	OTHER SPECIES Live	REMARKS Adjective rating
1930								
Oct 7		FWS		>2,000				Well seeded. Pink spent. 15,000 fish off mouth
1937								
Oct 1		FWS						Well seeded. Pink spawning. Chum dead. 50% each species
Oct 7		FWS						Good pink escapement. Bright chum. Many dead, mostly chum
1947								
Oct 6		ASI						Good showing. Good early run of pink
1948								
Sep 28	G 0.8	FWS	2,350		14,000			Good
1952								
Sep 18	G 0.5	FWS	300		800			250 chum, pink at mouth
1953								
Sep 20	G 1.0	FWS	2,000		1,500			75% fresh. 300-400 off mouth
1955								
Season		FWS	5,000		100			Estimate
1956								
Sep 2		FWS						4,000 estimated
1957								
Aug 20		FWS	150					
Aug 27		FWS	2,700					
Sep 14	G 2.0	FWS	700		250			Few jumps in bay

113-11 K 158
55°17.5' N. 132°10.3' W. Previous No. 137C

KETCHIKAN, CLARENCE STRAIT, CLOVER BAY, 0.3 mile from head

MAJOR SPECIES Chum
OTHER SPECIES
ESCAPEMENT TIMING
ESCAPEMENT MAGNITUDE
SPAWNING FACILITIES
STREAM TEMPERATURES Warm range
VALLEY DESCRIPTION
DRAINAGE 6 square miles (polar planimeter)
STREAM MOUTH IDENTIFICATION The stream enters Clover Bay from the W., about . the head of the bay.
ANCHORAGE Same as for K 157.
TRAILS AND SURVEY ROUTES
AERIAL SURVEY NOTES
GENERAL NOTES A small stream. No records of physical features. Does not appear to be of much importance.

INTERTIDAL ZONE

LENGTH
AVERAGE WIDTH/DEPTH
GRADIENT AND VELOCITIES
BOTTOM
LOW TIDE LOCATION
HIGH TIDE LOCATION
SCHOOLING AREAS
SPAWNING AREAS
GENERAL NOTES

UPSTREAM

LENGTH ACCESSIBLE
AVERAGE WIDTH/DEPTH
GRADIENT AND VELOCITIES
BOTTOM
MARKER DISTANCE
MARKER IDENTIFICATION
BARRIERS An 8' falls at mouth is impassable barrier. Valueless for salmon.
TRIBUTARIES
SCHOOLING AREAS
SPAWNING AREAS
GENERAL NOTES

ESCAPEMENT RECORD

[Counts made by ground surveys are designated by G. Aerial surveys by A]

SURVEYED			PINK		CHUM		OTHER SPECIES	REMARKS
Date	Miles	By	Live	Dead	Live	Dead	Live	Adjective rating

113-11 K 159
55°19.4' N. 132°09.2' W. Previous No. 138B

KETCHIKAN, CLARENCE STRAIT, DOCTOR POINT, 0.4 mile from Doctor Point

MAJOR SPECIES
ESCAPEMENT TIMING
SPAWNING FACILITIES
STREAM TEMPERATURES Warm range
VALLEY DESCRIPTION
DRAINAGE 3 square miles (polar planimeter)
STREAM MOUTH IDENTIFICATION
ANCHORAGE Suitable anchorage is found in Clover Bay 1 mile S.
TRAILS AND SURVEY ROUTES
AERIAL SURVEY NOTES
GENERAL NOTES No escapement records

OTHER SPECIES
ESCAPEMENT MAGNITUDE

INTERTIDAL ZONE

LENGTH
GRADIENT AND VELOCITIES
BOTTOM
LOW TIDE LOCATION
HIGH TIDE LOCATION
SCHOOLING AREAS
SPAWNING AREAS
GENERAL NOTES

AVERAGE WIDTH/DEPTH

UPSTREAM

LENGTH ACCESSIBLE
GRADIENT AND VELOCITIES
BOTTOM
MARKER DISTANCE
MARKER IDENTIFICATION
BARRIERS
TRIBUTARIES
SCHOOLING AREAS
SPAWNING AREAS
GENERAL NOTES

AVERAGE WIDTH/DEPTH

ESCAPEMENT RECORD

[Counts made by ground surveys are designated by G. Aerial surveys by A]

SURVEYED			PINK		CHUM		OTHER SPECIES	REMARKS
Date	Miles	By	Live	Dead	Live	Dead	Live	Adjective rating

113-12
SALTERY COVE CREEK
K 160
HT
0.25 Mile

113-12
55°24' N. 132°19.2' W. SALTERY COVE CREEK K 160
Previous No. 141

KETCHIKAN, CLARENCE STRAIT, SKOWL ARM, SALTERY COVE, S.E. head

MAJOR SPECIES Pink, chum OTHER SPECIES
ESCAPEMENT TIMING Late. Sept. -Oct. ESCAPEMENT MAGNITUDE
SPAWNING FACILITIES Fair.
STREAM TEMPERATURES Warm range (no observed temperatures).
VALLEY DESCRIPTION The upper end is of glacial origin. Valley walls slope gently away from the stream near the mouth; the gradient increases at the upper end of the valley.
DRAINAGE 7 square miles (polar planimeter). Drains 2 precipitation fed lakes and is also fed by snow melt at certain times of the year.
STREAM MOUTH IDENTIFICATION Mouth opens into the S.E. corner of Saltery Cove. Tidal flat is about 0.2 mile in length.
ANCHORAGE This cove offers a well protected anchorage at its head end for small craft. The channel to the E. of the islands at the entrance to the cove is used most often.
TRAILS AND SURVEY ROUTES Good trails follow both stream banks.
AERIAL SURVEY NOTES The dark water of this stream impairs aerial visibility.

INTERTIDAL ZONE

LENGTH 0.2 mile AVERAGE WIDTH/DEPTH
GRADIENT AND VELOCITIES Moderate
BOTTOM Rubble.
LOW TIDE LOCATION
HIGH TIDE LOCATION
SCHOOLING AREAS Located just below low tide.
SPAWNING AREAS Slight utilization of upper tidal area.
GENERAL NOTES Intertidal spawning area limited by lack of suitable bottom composition.

UPSTREAM

LENGTH ACCESSIBLE <0.5 mile to lake AVERAGE WIDTH/DEPTH 20'/10"
GRADIENT AND VELOCITIES Moderate gradient up to lake
BOTTOM Heavy rubble with interspersed gravel beds .
MARKER DISTANCE
MARKER IDENTIFICATION
BARRIERS None.
TRIBUTARIES None.
SCHOOLING AREAS
SPAWNING AREAS Spawning throughout entire section from lake to outlet.
GENERAL NOTES

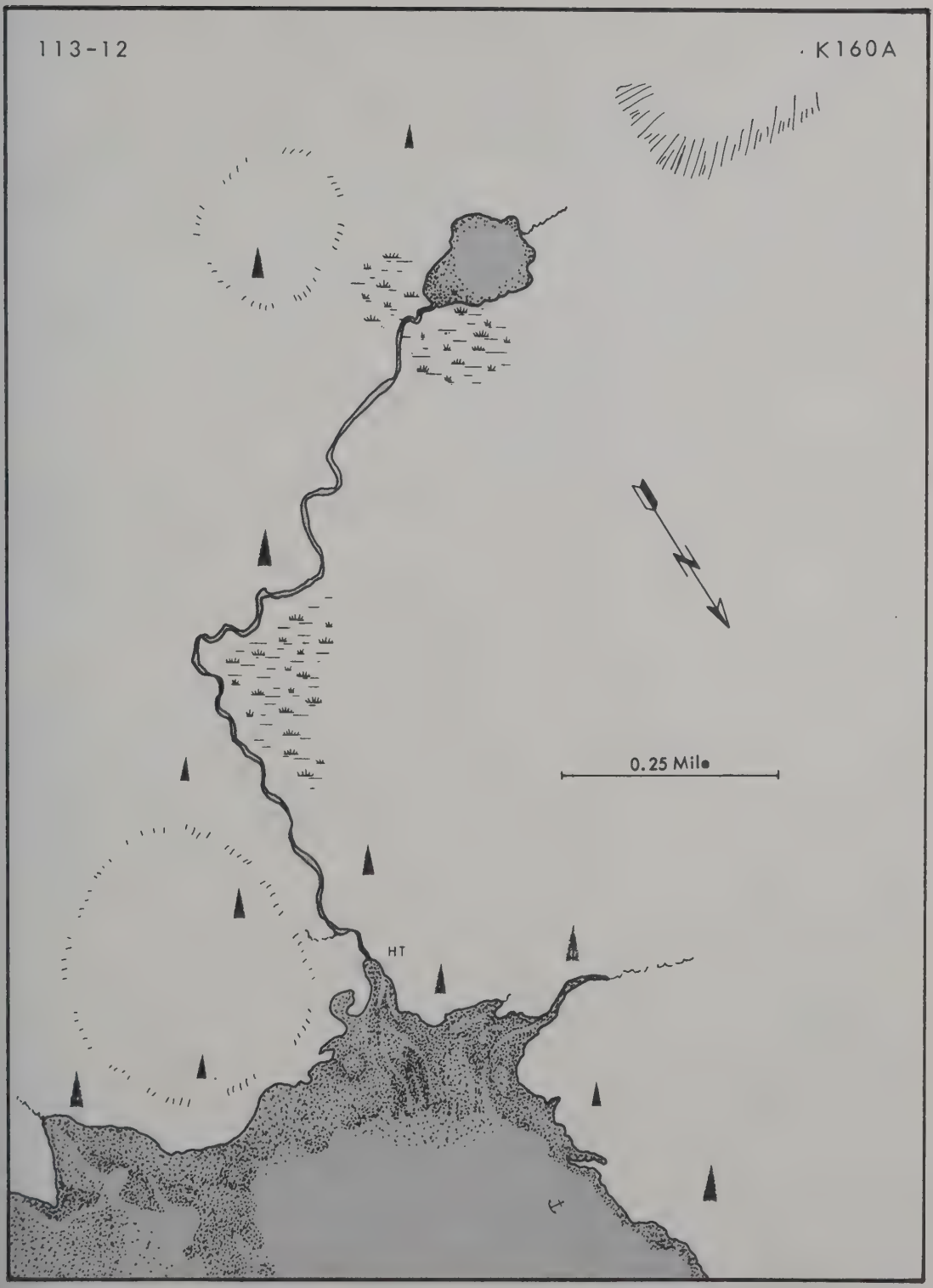
SALTERY COVE CREEK

K 160
Previous No. 141

ESCAPEMENT RECORD

[Counts made by ground surveys are designated by G. Aerial surveys by A]

Date	SURVEYED Miles	By	PINK Live	PINK Dead	CHUM Live	CHUM Dead	OTHER SPECIES Live	REMARKS Adjective rating
1930								
Oct 11		FWS	2,000					Good. Fish mostly spawned out
1942								
Sep 23	G 0.5	FWS	5,000		2,000			Good. 5,000 fish at mouth
1943								
Sep 29	G 0.5	FWS	25,000		10,000			Good. 5,000 fish at mouth
1948								
Sep 25	G 0.3	FWS	2,350		3,800			Good
1950								
Oct 7	G 0.1	FRI		26		58		Chum, pink present
1953								
Sep 22	G 0.3	FWS	1,000		4,500			Good
Oct 15	G 0.3	FWS	1	200	90	1,350		Fair. Old run. Stream high
1955								
Oct 3	G	FWS	6,000		8,000			
1959								
Sep 12	A	FWS	250		200			None at mouth
1960								
Sep 2	G	ADF&G	0		25			None at mouth
1961								
Sep 5	G	ADF&G			4,000			


113-12
K160A
0.25 Mile
HT

113-12 K 160A
55°24' N. 132°19.2' W. Previous No. 141A

KETCHIKAN, CLARENCE STRAIT, SKOWL ARM, SALTERY COVE, S. head

MAJOR SPECIES Pink, chum OTHER SPECIES Coho
ESCAPEMENT TIMING Late (estimated) ESCAPEMENT MAGNITUDE
SPAWNING FACILITIES Fair.
STREAM TEMPERATURES Warm range (estimated).
VALLEY DESCRIPTION Stream-cut. The valley runs toward the S. W. and terminates in a 2,400' mountain - less than a mile wide in most places.
DRAINAGE 1 square mile (polar planimeter). Precipitation fed. A small lake is found at the head of the stream. A snowfield lies beyond the lake.
STREAM MOUTH IDENTIFICATION Lies in the S. W. corner of Saltery Cove.
ANCHORAGE Refer to K 160.
TRAILS AND SURVEY ROUTES
AERIAL SURVEY NOTES
GENERAL NOTES Not a very good spawning stream, but might warrant further surveying.

INTERTIDAL ZONE

LENGTH 0.1 mile AVERAGE WIDTH/DEPTH
GRADIENT AND VELOCITIES Moderately steep
BOTTOM Coarse broken gravel.
LOW TIDE LOCATION
HIGH TIDE LOCATION
SCHOOLING AREAS
SPAWNING AREAS
GENERAL NOTES

UPSTREAM

LENGTH ACCESSIBLE 0.75 mile to lake AVERAGE WIDTH/DEPTH 15'/6"
GRADIENT AND VELOCITIES
BOTTOM Broken gravel.
MARKER DISTANCE
MARKER IDENTIFICATION
BARRIERS None reported in first half mile.
TRIBUTARIES A small stream which enters the head of the lake is reported to be a fair spawning stream.
SCHOOLING AREAS
SPAWNING AREAS
GENERAL NOTES

ESCAPEMENT RECORD

[Counts made by ground surveys are designated by G. Aerial surveys by A]

Date	SURVEYED Miles	By	PINK Live	PINK Dead	CHUM Live	CHUM Dead	OTHER SPECIES Live	REMARKS Adjective rating
1943								
Sep 29	G 0.5	FWS	10,000		2,000			Good. 3 000 fish in bay
1948								
Sep 25	G 0.1	FWS	105		135			Fair
1950								
Oct 7	G 0.1	FRI		26		58		Live chum, pink present
1955								
Oct 3	G	FWS	50		25			

113-12 K 161
55° 19.8' N. 132° 20.5' W. Previous No. 142B

KETCHIKAN, CLARENCE STRAIT, SKOWL ARM, McKENZIE INLET, E. head

MAJOR SPECIES Pink, chum OTHER SPECIES Coho
ESCAPEMENT TIMING Late (estimated) ESCAPEMENT MAGNITUDE
SPAWNING FACILITIES Poor to fair.
STREAM TEMPERATURES Warm range (No observed temperatures).
VALLEY DESCRIPTION
DRAINAGE 2 square miles (polar planimeter)
STREAM MOUTH IDENTIFICATION Lies at the end of a small bay in the S.E. corner of the head of McKenzie inlet.
ANCHORAGE A good anchorage is found at the head of the inlet on the W. side of Peacock Island. When entering the inlet keep to the W. of McKenzie Rock and steer a midchannel course.
TRAILS AND SURVEY ROUTES No trails. Very easy going along the stream bed.
AERIAL SURVEY NOTES Difficult to survey because of numerous splits.
GENERAL NOTES Not a large stream, at times going almost completely dry.

INTERTIDAL ZONE

LENGTH 300 yards AVERAGE WIDTH/DEPTH
GRADIENT AND VELOCITIES Moderate
BOTTOM
LOW TIDE LOCATION
HIGH TIDE LOCATION
SCHOOLING AREAS
SPAWNING AREAS Some spawning in this area.
GENERAL NOTES

UPSTREAM

LENGTH ACCESSIBLE AVERAGE WIDTH/DEPTH 15'-20'/6"
GRADIENT AND VELOCITIES Moderate to swift.
BOTTOM Small rock and gravel.
MARKER DISTANCE
MARKER IDENTIFICATION
BARRIERS Falls 0.5 mile upstream.
TRIBUTARIES The stream splits and rejoins many times.
SCHOOLING AREAS
SPAWNING AREAS
GENERAL NOTES

K 161
Previous No. 142 B

ESCAPEMENT RECORD

[Counts made by ground surveys are designated by G. Aerial surveys by A]

Date	SURVEYED Miles	By	PINK Live	PINK Dead	CHUM Live	CHUM Dead	OTHER SPECIES Live	REMARKS Adjective rating
1930								
Oct 8		FWS						Stream dry. Fish are stranded
1940								
Oct 3	G 0.4	FWS	4,000		1,000			Excellent
1941								
Oct 2	G 0.8	FWS	12,000		3,000			Excellent
1942								
Sep 22	G 0.5	FWS			2,000			Good. 3,000 fish at mouth
1946								
Oct 3	G 0.5	FWS	1,500		500			Good
1947								
Oct 4	G 0.3	FRI,FWS	5,000		5,000			Good
Oct 7		ASI						Plenty of salmon in the creek
1948								
Sep 26	G 0.3	FWS	1,700		4,950			Excellent
1953								
Sep 21	G 0.1	FWS	8		1,100			
Oct 15	G 0.3	FWS	8		25		3 coho	Fair. 400 dead, mostly chum. Obstruction above high tide
1955								
Oct 3	G	FWS	450		12			
1956								
Aug 28		FWS						3,000 chum at mouth
Sep 3		FWS	40,000		10,000			
Sep 17		FWS						900 pink at mouth
1957								
Sep 23	G 0.3	FRI			3,500			Few pink. Creek is completely dry
1960								
Oct 7	G	ADF&G	0		14			None at mouth
1961								
Aug 18	A	ADF&G						None observed
Sep 5	G	ADF&G			4,000			Few at mouth

113-12 OMAR CREEK K 162
55°19.7' N. 132°21.2' W. Previous No. 142A

KETCHIKAN, CLARENCE STRAIT, SKOWL ARM, McKENZIE INLET, S. head

MAJOR SPECIES Pink, chum OTHER SPECIES
ESCAPEMENT TIMING Late. Sept. -Oct. ESCAPEMENT MAGNITUDE
SPAWNING FACILITIES Fair in the intertidal zone where most of the spawning takes place and poor upstream.
STREAM TEMPERATURES Warm range
VALLEY DESCRIPTION
DRAINAGE 4 square miles (polar planimeter).
STREAM MOUTH IDENTIFICATION The stream empties into the S. W. corner of the head of McKenzie Inlet.
ANCHORAGE Same as for K 161.
TRAILS AND SURVEY ROUTES Game trails are found on both streambanks. Easy traveling up the streambed.
AERIAL SURVEY NOTES Short only enough time for a quick look. Fly upstream, make a turn and come back downstream.
GENERAL NOTES Fair escapements for the spawning facilities available.

INTERTIDAL ZONE

LENGTH 200 yards AVERAGE WIDTH/DEPTH
GRADIENT AND VELOCITIES
BOTTOM
LOW TIDE LOCATION
HIGH TIDE LOCATION
SCHOOLING AREAS
SPAWNING AREAS Most of the spawning takes place in this zone.
GENERAL NOTES

UPSTREAM

LENGTH ACCESSIBLE 0.2 mile AVERAGE WIDTH/DEPTH 20'-35'/6"-12"
GRADIENT AND VELOCITIES Moderate
BOTTOM Small rock, boulders, and gravel.
MARKER DISTANCE
MARKER IDENTIFICATION
BARRIERS Impassable falls 0.4 mile upstream.
TRIBUTARIES
SCHOOLING AREAS
SPAWNING AREAS Poor spawning facilities are found above the intertidal zone. The bottom in this area is unsuitable for good spawning.
GENERAL NOTES

OMAR CREEK

ESCAPEMENT RECORD

[Counts made by ground surveys are designated by G. Aerial surveys by A]

Date	SURVEYED Miles	By	PINK Live	PINK Dead	CHUM Live	CHUM Dead	OTHER SPECIES Live	REMARKS Adjective rating
1930								
Oct 8	G 0.8	FWS						Few chum, pink. 4,000 fish at mouth. Good early escapement
1940								
Oct 3	G 0.4	FWS	8,000		2,000			Excellent
1941								
Oct 2	G 0.5	FWS	8,500		1,500			Good
1942								
Sep 22	G 0.4	FWS			5,000			Fair. 5,000 fish at mouth
1946								
Oct 3	G 1.0	FWS	700		300			Good
1947								
Oct 4	G 0.3	FRI,FWS	25,000		25,000			Good
1948								
Aug 11	G 0.5	FRI						No fish in stream
Aug 18	G 0.5	ASI						No fish in stream
Aug 26	G 1.0	ASI						No fish in stream
Sep 1	G 0.5	ASI			337			
Sep 8	G 0.5	ASI			1,250	473		
Sep 15	G 0.5	ASI			1,723			Good
Sep 26	G 0.3	FWS	900		4,185			Good
Sep 28	G 0.3	ASI	500		5,000			Good
1953								
Sep 21	G 0.1	FWS	6		600			
Oct 15	G 0.3	FWS			80	300		Poor
1955								
Oct 3	G 0.3	FWS	500		50			
1956								
Aug 25		FWS	150		500			2,000-4,000 pink at mouth
Aug 26		FWS						2,000 chum at mouth
Sep 2		FWS						12,000 pink at mouth
1957								
Sep 3		FWS	7,500		22,500			Good
Sep 23	G 0.3	FWS	10		3,400	200		Visibility excellent
1958								
Sep 20	A 0.5							Few live pink. Good visibility
1960								
Oct 7	G	ADF&G	0		8			None at mouth
1961								
Aug 18	A	ADF&G						100 at mouth

113-12 K 162A
55° 20.7' N. 132° 22.4' W. Previous No. 142M

KETCHIKAN, CLARENCE STRAIT, SKOWL ARM, McKENZIE INLET, W. shore 1.7 miles from head

MAJOR SPECIES Pink, chum
OTHER SPECIES
ESCAPEMENT TIMING
ESCAPEMENT MAGNITUDE
SPAWNING FACILITIES
STREAM TEMPERATURES Warm range
VALLEY DESCRIPTION
DRAINAGE 3 square miles (polar planimeter).
STREAM MOUTH IDENTIFICATION Runs into McKenzie Arm from the W. about 1 mile from the head of the arm.
ANCHORAGE Refer to K 161.
TRAILS AND SURVEY ROUTES
AERIAL SURVEY NOTES
GENERAL NOTES A small stream. Only 1 record of escapement and no record of physical features. Unimportant salmon stream.

INTERTIDAL ZONE

LENGTH
AVERAGE WIDTH/DEPTH
GRADIENT AND VELOCITIES
BOTTOM
LOW TIDE LOCATION
HIGH TIDE LOCATION
SCHOOLING AREAS
SPAWNING AREAS
GENERAL NOTES

UPSTREAM

LENGTH ACCESSIBLE
AVERAGE WIDTH/DEPTH
GRADIENT AND VELOCITIES
BOTTOM
MARKER DISTANCE
MARKER IDENTIFICATION
BARRIERS
SCHOOLING AREAS
SPAWNING AREAS
GENERAL NOTES

ESCAPEMENT RECORD

[Counts made by ground surveys are designated by G. Aerial surveys by A]

	SURVEYED		PINK		CHUM		OTHER SPECIES	REMARKS
Date	Miles	By	Live	Dead	Live	Dead	Live	Adjective rating
1948								
Sep 6	G 0.3	FWS	210		1,915			Good. 100 fish at mouth
1953								
Sep 21	G 0.1	FWS	6		100			

113-12 OLD TOM CREEK K 163
55°24.2' N. 132°23.9' W. Previous No. 142

KETCHIKAN, CLARENCE STRAIT, SKOWL ARM, PAUL BIGHT, S. head

MAJOR SPECIES Pink, chum OTHER SPECIES Red, coho
ESCAPEMENT TIMING Late. Sept. -Oct. ESCAPEMENT MAGNITUDE
SPAWNING FACILITIES Excellent spawning facilities throughout.
STREAM TEMPERATURES Warm range (estimated).
VALLEY DESCRIPTION Flows through a steep-sided valley.
DRAINAGE 7 square miles (polar planimeter). Precipitation fed. Several lakes are found in this drainage area.
STREAM MOUTH IDENTIFICATION The stream enters a lagoon at the head of Paul Bight. This lagoon lies between bedrock outcroppings.
ANCHORAGE The bight affords good anchorage for small craft in 5 to 8 fathoms. In entering, favor the S. shore.
TRAILS AND SURVEY ROUTES A fair trail follows the left stream bank for at least 1 mile upstream. Both the forks and the main stream are easily waded.
AERIAL SURVEY NOTES Valley wide enough for aircraft but light limits accuracy of count.
GENERAL NOTES One of the best spawning streams in Kasaan Bay.

INTERTIDAL ZONE

LENGTH 0.75 mile AVERAGE WIDTH/DEPTH 40'-50'/20"-40"
GRADIENT AND VELOCITIES
BOTTOM Gravel
LOW TIDE LOCATION At the upper end of the tidal pool.
HIGH TIDE LOCATION 35 yards downstream from the weir cabin.
SCHOOLING AREAS The main schooling area is just off the mouth in the tidal pool. Other areas are found at the 11', 13', 15', and 18' tide levels.
SPAWNING AREAS Spawning occurs throughout this zone.
GENERAL NOTES

UPSTREAM

LENGTH ACCESSIBLE 4-5 miles AVERAGE WIDTH/DEPTH 30'/8"
GRADIENT AND VELOCITIES Moderate to slow
BOTTOM Gravel
MARKER DISTANCE
MARKER IDENTIFICATION
BARRIERS None
TRIBUTARIES The stream forks about 1.5 miles from the high tide mark. Both forks are ascended by salmon.
SCHOOLING AREAS Numerous pools are available for schooling.
SPAWNING AREAS Fish spawn in all areas throughout this stream. Heaviest spawning occurs just above the intertidal zone.
GENERAL NOTES A weir has been maintained on this stream since 1949. The weir and a cabin are found on the left bank just above the intertidal zone.

ESCAPEMENT RECORD

[Counts made by ground surveys are designated by G. Aerial surveys by A]

Date	SURVEYED Miles	By	PINK Live	PINK Dead	CHUM Live	CHUM Dead	OTHER SPECIES Live	REMARKS Adjective rating
1930								
Oct 9	G 3.0	FWS	285,000		15,000			Banks, flats covered with dead fish
1939								
Sep 21		FWS	10,000					Excellent. Chum numerous. 25,000 pink at mouth
1940								
Oct 3	G 1.3	FWS	75,000		5,000			Excellent. 20,000 fish at mouth
1941								
Oct 2	G 1.5	FWS	80,000		20,000			Excellent
1942								
Sep 2	G 0.8	FWS						No fish in stream
Sep 22	G 1.5	FWS	40,000		10,000			Good. 50,000 fish at mouth
1946								
Oct 3	G 1.0	FWS	75,000		4,000			Overseeded
1947								
Oct 3	G 0.5	FRI,FWS	1,200		1,200			Poor
Oct 4	G 1.3	FRI,FWS	2,500		2,500			Good. Run about over
1948								
Aug 11	G 0.5	ASI						None in stream
Aug 18	G 0.5	ASI						None in stream
Aug 26	G 0.5	ASI						None in stream
Sep 8	G 0.5	ASI	3,000		700			Fair
Sep 15	G 0.5	ASI	5,300		200			Good
Sep 26	G 1.5	FWS	22,350		5,750			Good. 5,000 off mouth
Sep 28	G 0.5	ASI	23,000		2,000			
1949								
Oct 8	Weir	FWS	23,036		19,407		32 coho, 12 red	5,000 spawned below weir
1950								
Oct 6	Weir	FWS	15,347		6,505		156 coho, 18 red	Final total. Weir installed Aug. 25
1951								
Oct 16	Weir	FWS	51,675		22,423		84 coho, 6 red	Final total. Weir installed Aug. 6
1952								
Oct 7	Weir	FWS	9,433					Final total. Weir installed Sept. 1
1953								
Oct 12	Weir	FWS	3,994		21,995		146 coho	Final total. Weir installed Aug. 14
1954								
Oct 16	Weir	FWS	59,066		4,119		392 coho	Final total. Weir installed Aug. 18
1955								
Oct 12	Weir	FWS	21,185		3,866		130 coho, 10 red	4,000 spawned below weir
1956								
Sep 2		FWS						20,000 pink at mouth
Sep 18		FWS	1,945		4,500			Est. 45,000 to lower weir
Oct 6	Weir	FWS	33,681		53,661		5 coho	Final total. Weir installed Aug. 18
1957								
Sep 14	A	FWS						2,000-3,000 at mouth
Sep 17		FWS						300 pink at mouth
Sep 17		FWS	671		4,473			
Sep 18		FWS			675			
Sep 19		FWS			1,184			
Sep 20		FWS	1,094		6,244			709 pink at mouth
Sep 21		FWS	20		700			Big school
Sep 30	Weir	FWS	1,248		19,704		24 coho	4,000 spawned below weir
1959								
Sep 12	A	FWS	1,000		140		200 coho	None at mouth
Sep 20	A	ADF&G	100		0			None at mouth
Sep 27	G	FWS	100		25			
1960								
Oct 6	G	ADF&G	0		30			None at mouth

Date	SURVEYED Miles	By	PINK Live	PINK Dead	CHUM Live	CHUM Dead	OTHER SPECIES Live	REMARKS Adjective rating
1961								
Aug 18	A	ADF&G						None observed
Sep 1	A	ADF&G	1,000					
Sep 18	G	ADF&G						5,000 pink and chum FWS personnel

U.S. Fish & Wildlife Service Weir Counts

Date	Pink	Chum	Coho	Red	King	Stream Gage	Water Temp.	Remarks
1949								
Aug 14	1			1				
15	2							
16								
17								
18								
19								
20								
21								
22								
23		3						
24								
25		4						
26		8						
27		2						
28		9						
29								
30		24						
31	1	42						
Sep 1	8	77						
2	17	103						
3	2	45						
4	10	18						
5	45	42						
6	53	76		1				
7	11	95						
8	60	74						
9	25	160						
10	5	63						
11		16						
12	75	219						
13	824	808		1				
14	3,365	2,759						
15	300	288						
16	11	28						
17	64	34						
18	25	117						
19	72	123						
20	5,734	7,426						
21								
22								
23	1,638	1,882	6	8				
24	1,043	782	11	1				
25	359	198	2					
26	313	241	7					
27	298	216						
28	383	264						
29	1,438	597						
30	387	129						
Oct 1	554	264						
2	882	346	6					
3	4,157	1,428						
4	874	397						
5								No fish
6								No fish
7								No fish
8								Weir removed
Total	23,036	19,407	32	12				Estimate of fish spawned below weir - 5,000 pink, not included in total

Date	Pink	Chum	Coho	Red	King	Stream Gauge A.M.	Stream Gauge P.M.	Water Temp. A.M.	Water Temp. P.M.	Air Temp. A.M.	Air Temp. P.M.	Remarks
1950												
Aug 25	32	37	1	3			2.48		55		51	Rain. Water level 2.68 at 9:30 P.M.
26	205	109	9	6		2.36	2.48	53	52	56	55	Rain
27	286	116	7	9		2.10	1.74	52	53	54	56	Rain
28	199	66	5			2.94	2.12	52	52	53	55	Shower, A.M. Cloudy, P.M. 3.06 at 4:00 A.M.
29	20	53				1.98	1.72	50	53	49	56	Cloudy
30	26	35				1.48	1.44	51	52	49	53	Cloudy
31	1	9				1.44	1.36	50	52	42	56	Cloudy
Sep 1	68	139				2.38	2.18	51	52	54	56	Showers
2	29	112				1.88	1.68	50	52	50	56	Rain
3	185	90				1.80	1.90	52	53	55	57	Shower
4	2	30				1.70	1.86	50	52	51	55	Rain
5	406	435				2.66	2.22	50	51	49	54	Showers
6	45	53	1			2.12	1.96	50	52	50	55	Cloudy
7	168	80	8			1.88	1.82	50	52	49	52	Clear
8	296	86	6			1.78	1.48	48	52	42	55	Clear
9	27	43				1.50	1.46	49	58	45	59	Clear
10	68	49				1.40	1.40	50	59	46	61	Clear
11	365	41	3			1.38	1.38	53	54	55	57	Clear
12	29	22				1.36	1.36	51	55	48	60	Clear
13	1,438	33				1.36	1.34	49	53	46	58	Clear
14	1,142	42	5			1.34	1.34	53	54	54	57	Cloudy
15	49	18				1.40	1.40	52	54	58	58	Cloudy
16	226	11	1			1.40	1.40	52	53	54	56	Cloudy
17	242	92				1.40	1.30	50	53	48	55	Cloudy
18	181	87				1.30	1.30	51	52	51	55	Cloudy
19	3,382	697	26			1.38	1.68	52	53	55	61	Rain
20	2,386	914	36			2.58	1.86	51	52	58	56	Cloudy
21	840	795	23			3.51	1.12	51	55	56	62	Rain
22	434	312	9			3.06	3.28	53	53	56	59	Rain
23	327	388				4.76	2.88	51	51	56	56	Rain. 4.86 at 1:00 A.M.
24	287	365				3.00	2.58	51	51	54	56	Rain
25	237	218	6			2.58	2.22	50	51	54	55	Rain
26	169	225				2.00	1.88	48	51	48	54	Showers
27	172	212	4			1.82	1.78	49	51	47	55	Cloudy
28	192	164	3			1.74	1.68	42	49	42	52	Clear
29	179	127	3			1.60	1.56	46	49	44	51	Clear
30	148	107				1.50	1.48	45	48	39	50	Clear
Oct 1	133	42				1.44	1.38	45	47	39	50	Clear
2	102	14				1.34	1.32	42	41	35	41	Clear
3	76	8				1.28	1.26	42	47	32	50	Cloudy
4	38	5				1.24	1.24	46	49	48	56	Cloudy
5	338	24				1.44	1.38	46	49	48	52	Cloudy
6	172					2.76		46		49	53	Rain
Total	15,347	6,505	156	18								2,000 pink estimated below weir at time of closing, not included in total

Date	Pink	Chum	Coho	Red	King	Stream Gage	Water Temp.	Remarks
1951								
Aug 6				2				
14				4				
16	1							
Sep 5		2						
6	18	23						
7	489	317						
8	730	440						
9	960	632						
10	226	114	1					
11	326	242	1					
12	626	542						
13	484	593						
14	2,363	411						
15	256	272						1st spawn-out appeared today - Chum
16	2,043	607						
17	716	417						
18	245	282						
19	139	142						50,000 in Creek mouth. No pink spawning
20	140	252						
21	112	132						
22	142	176						
23	167	150						
24	522	365						First pink spawning
25	276	625						
26	115	514						
27	148	655						First dead pink. 65,000 between weir & bay
28	2,852	2,294						Creek rising
29	2,836	1,417						
30	4,426	2,051	6					
Oct 1	4,277	1,881	9					
2	4,976	1,617	11					
3	5,322	1,765	7					Creek high
4	3,420	1,193	5					
5	4,563	1,296	14					
6	3,742	826	18					
7								Creek very high, about 5,000 went over weir
8								No count made, water too discolored
9	1,276	123						
10	879	43	5					
11	784	5	7					
12								No count made, water too discolored. About
13								2,000 over weir. (13th same as 12th)
14	682							
15	396	7						
16								Weir dismantled. Fish could not go through gate & did not ascend when rocks were removed.
Total	51,675	22,423	84	6				7,000 mixed went over weir on high water. 25,000 spawned below weir in intertidal zone
1952								
Sep 1								
2								
3								
4	1							
5	105							
6	284							
7	294							

Date	Pink	Chum	Coho	Red	King	Stream Gage	Water Temp.	Remarks
1952								
Sep 8	175							
9	69							
10	8							
11	2							
12	1							
13	143							
14	212							
15	118							
16	176							
17	1,630							
18	236							
19	41							
20	130							
21	144							
22	95							
23	59							
24	1,421							
25	1,205							
26	538							
27	244							
28	134							
29	604							
30	121							
Oct 1	341							
2	375							
3	93							
4	181							
5	209							
6	42							
7	2							
Total	9,433							
1953						6 A.M.		
Aug 14								Weir installed
15								
16								1st pink noted below weir
17								
18								1st chum noted below weir
19		1						
20								3 chum below weir
21								
22								
23								
24								2 pink below weir
25								3 pink below weir
26	2	3						17 pink and 2 chum below weir
27								No fresh fish at weir
28								No fresh fish at weir
29		3						No fresh fish at weir
30								No fresh fish at weir
31								No fresh fish at weir. Rainfall Aug 10-31 3.28 inches
Sep 1								
2								
3						1.00		8 pink at weir, 50 pink & chum downstream, about 200 pink & chum in bay at mouth of creek. Creek very low

Date	Pink	Chum	Coho	Red	King	Stream Gage 6 A.M.	Water Temp.	Remarks
1953								
Sep 4								
5	6					0.98		
6	1	2				0.98		
7						0.96		5 pink at weir
8		20				1.04		Rain
9	682	363	4			1.78		Rain
10	155	123	3			1.30		Rain
11	356	400	9			1.88		Rain. 1st chum noted spawning
12	392	265	5			1.32		Rain
13	643	522	9			1.96		Rain. 1st dead fish noted, a chum
14	108	174				1.46		Rain
15	165	492	1			2.16		Rain
16	18	664	2			1.50		Rain
17	29	1,387				1.86		Rain
18	4	191	1			1.44		Rain
19	1	44				1.46		Rain. About 2,000 fish in bay
20	6	143				1.28		Rain
21	601	4,549	11			1.82		Rain
22	71	1,094	4			1.62		Rain
23	52	614	8			1.38		Rain
24	118	2,974	7			1.96		Rain
25	28	587	6			1.64		Rain
26						2.80		Heavy rain. Staff gauge reading at 2 P.M. 3.36, about 3,500 fish below weir
27	245	2,362	28			2.56		1st dead pink seen
28	1	322	4			1.78		Rain
29	15	412	1			2.00		Rain
30	2	337	1			2.04		Rain
Oct 1	8	312	2			1.68		Rain
2	59	1,115				2.04		Rain
3	67	587	12			2.54		Rain
4	34	486	7			2.22		Rain
5	60	446	11			2.26		Rain
6	43	396	8			2.26		Rain
7	22	243				1.80		Rain
8						4.06		Heavy rain, creek very high, about 600 went over and downstream through overflow gates in weir
9		183	2			2.48		Rain
10		123				2.58		Rain
11		56				3.56		Rain
12						3.60		Rain. About 50 chum below weir, none in bay. Commenced to remove weir
Total	3,994	21,995	146					
1954						A.M.	A.M.	
Aug 18								First fish at weir - chum
19								4 pink, 1 chum at creek mouth
20								
21								300 pink, few chum at mouth
22								
23								
24						0.84		500 pink & chum at mouth, 1 at weir. No water in creek
25	1	1						1 pink, 3 chum at weir
26								2 pink, 76 chum at weir
27						0.78		1,200 pink & chum at creek mouth. Creek going down

Date	Pink	Chum	Coho	Red	King	Stream Gage A.M.	Water Temp. A.M.	Remarks
1954								
Aug 28								
29								
30								
31						0.78		2,000 pink and chum at mouth
Sep 6	2,324	1,326	1			1.66		Raining
7	3,877	123	4			1.46	49	Cloudy with rain
8	5,157	278	8			2.04	50	Heavy rain during night
9	1,024	10				1.32	48	Clear
10	883	1				1.22	48	Clear. First chum spawning
11	220	3				1.18	48	Clear. Est. 15,000 in bay. Pink fresh
12	554	5				1.12	50	Cloudy, light rain
13	1,525	151				1.12	50	Cloudy, showers
14	1,909	219	6			1.24	50	Cloudy. Est. 20,000 in bay, 90% pink
15	704	27	2			1.16	48	Clear
16	242	1				1.12	46	Clear
17	139	56	2			1.08	46	Cloudy
18	63					1.08	49	Partly cloudy. First pink spawning. Est. 35,000 fish in bay. Few chum
19	12	4				1.06	50	Partly cloudy
20	51	9				1.06	52	Cloudy, drizzle
21	126	67				1.06	52	Cloudy, showers
22	331	108				1.24	50	Cloudy, showers
23	538	175				1.40	50	Cloudy, light rain
24	1,406	371	6			1.44	50	Cloudy, showers
25	8,264	464	11			1.58	50	Cloudy, showers
26	520	62	6			1.76	49	Cloudy, drizzle
27	294	3				1.60	48	Clear
28	158	2				1.26	48	Clear
29	214	4	56			1.26	44	Partly cloudy
30	745	3	61			1.20	44	Clear
Oct 1	1,124	1	31			1.12	44	Clear
2	339	4	23			1.12	42	Clear
3	248	17	16			1.10	36	Clear
4	185	21	9			1.10	36	Clear
5	107	9	6			1.10	36	Clear
6	117	5	13			1.10	38	Partly cloudy
7	176	2	8			1.10	38	Partly cloudy. Thousands of fish dying of no water in creek
8	67		5			1.10	42	Cloudy with drizzle
9	2,476	86	22			1.10	44	Cloudy, light rain. Est. 10,000 fresh fish died from lack of water
10	10,947	355	41			1.74	46	Rain
11	7,263	117	35			1.56	44	Showers
12	3,473	27	18			2.30	43	Showers
13	1,263	2	2			1.76	41	Rain
14						3.80	44	No fish today. Creek going over banks. Will pull weir as soon as creek goes down
15						2.14	44	No more fish in bay, all in creek. About 8,000 fresh fish all over meadow high and dry, left when tide went out
16								Est. 25,000 pink in creek below weir. 8,000 in Little Tom. These not included in total
Total	59,066	4,119	392					

Date	Pink	Chum	Coho	Red	King	Stream Gage	Water Temp.	Remarks
1955								
Aug 16		4						
18	4							
24	10	8	4					
31	2	2	2					
Sep 1	23	36	2					
2	2	11	2					
3								
4	2	20						
5	2							
6								
7		1						
8								
9		3						
10	4	14						
11	11	11						
12	528	151	1					
13	3,164	286	1					
14	190	79						
15	187	57						
16	103	46						
17	47	37						
18	1,994	242	2					
19	444	190	4					
20	481	190						
21	320	94						
22	213	99						
23	103	45						
24	3,731	412						
25	1,237	336	2					
26	230	98	6					
27	190	69	2					
28	107	45	2					
29	915	239	2					
30	592	203	2					
Oct 1	961	144	17					
2	3,347	288	50					
3	1,388	178	14					
4	174	60	9					
5	131	10	2					
6	254	142	2					
7								
8								
9								
10	81	4	1					These counts for Oct 7-10 inclusive
11								
12	31	2						These counts for Oct 11-12
Total	21,185	3,866	130					4,000 below weir, not included in total
1956								
Aug 18	7							First fish through weir
19	11							
20	44	11						
21	34	9	1					
22	24	26						
23	13	2						
24	2							
25								
26								

Date	Pink	Chum	Coho	Red	King	Stream Gage	Water Temp.	Remarks
1956								
Aug 27		3						
28								
29								
30	89	119						
31	743	273						
Sep 1	30	26						
2	31	17						
3	41	14	1					
4	56	14	1					
5	182	34	1					
6	146	58						
7	118	139	1					
8	79	281						
9	15	82						
10	10	67						
11	30	179						
12	36	213						
13	21	538						
14	41	523						
15	27	480						
16	29	629						
17	104	636						
18	212	326						
19	6,264	3,553						
20	96	502						
21	211	808						
22	713	4,675						
23	75	647						
24	72	911						
25	39	320						
26	25	142						
27	49	362						
28	438	3,225						
29	115	1,200						
30	4,030	13,345						
Oct 1	488	2,327						
2	93	352						
3	8,208	5,856						
4	1,868	1,856						
5	51	98						
6	1,171	1,283						
Total	26,181	46,161	5					7,500 pink and 7,500 chum est. below weir, not included in total
1957								
Sep 4	38	12						This count up to Sep 4
5	550	1,503	6					
6	57	156						
7	22	65						
8	6	110	6					
9	5	74						
10	4	122	1					
11	2	291						
12	6	234						
13	2	355						
14		233						
15	3	281						

113-12 GOOSE COVE K 164
55°22.9' N. 132°26.8' W. Previous No. 142K

KETCHIKAN, CLARENCE STRAIT, SKOWL ARM, POLK INLET, GOOSE COVE, Head

MAJOR SPECIES Chum OTHER SPECIES Pink
ESCAPEMENT TIMING Late. ESCAPEMENT MAGNITUDE
SPAWNING FACILITIES
STREAM TEMPERATURES Warm range (estimated).
VALLEY DESCRIPTION
DRAINAGE 2.3 square miles (polar planimeter).
STREAM MOUTH IDENTIFICATION
ANCHORAGE
TRAILS AND SURVEY ROUTES The banks have open timber with moderate brush.
AERIAL SURVEY NOTES
GENERAL NOTES Only one escapement record.

INTERTIDAL ZONE

LENGTH AVERAGE WIDTH/DEPTH
GRADIENT AND VELOCITIES
BOTTOM
LOW TIDE LOCATION
HIGH TIDE LOCATION
SCHOOLING AREAS
SPAWNING AREAS
GENERAL NOTES

UPSTREAM

LENGTH ACCESSIBLE 0.3 mile to falls AVERAGE WIDTH/DEPTH 25'-30'/4"-6"
GRADIENT AND VELOCITIES Gentle
BOTTOM Large rubble.
MARKER DISTANCE
MARKER IDENTIFICATION
BARRIERS A 6' to 8' falls is found 0.3 mile upstream. Not reported whether passable or impassable.
TRIBUTARIES
SCHOOLING AREAS
SPAWNING AREAS
GENERAL NOTES

ESCAPEMENT RECORD

[Counts made by ground surveys are designated by G. Aerial surveys by A]

	SURVEYED		PINK		CHUM		OTHER SPECIES	REMARKS
Date	Miles	By	Live	Dead	Live	Dead	Live	Adjective
1948								
Sep 27	G 0.3	FWS	45		850			Poor. 30 fish off mouth
1953								
Sep 17	G 0.3	FWS	1		500			Poor

113-12 POLK CREEK K 165
55° 19.2' N. 132° 26.5 W. Previous No. 1421

KETCHIKAN, CLARENCE STRAIT, SKOWL ARM, POLK INLET, Head

MAJOR SPECIES Pink, chum OTHER SPECIES
ESCAPEMENT TIMING Late (estimated) ESCAPEMENT MAGNITUDE
SPAWNING FACILITIES Fair to good
STREAM TEMPERATURES Warm range (Observed temperature: 49.8° F., 10/4/47).
VALLEY DESCRIPTION
DRAINAGE 6.9 square miles (polar planimeter).
STREAM MOUTH IDENTIFICATION Enters Polk Inlet from the E. about 0.5 mile from the head of the inlet.
ANCHORAGE Polk Inlet is unsurveyed, enter with caution. Appears to be clear for about 5 miles within the entrance.
TRAILS AND SURVEY ROUTES No trails. The stream is easily waded.
AERIAL SURVEY NOTES

INTERTIDAL ZONE

LENGTH AVERAGE WIDTH/DEPTH
GRADIENT AND VELOCITIES
BOTTOM Small rock; some gravel.
LOW TIDE LOCATION
HIGH TIDE LOCATION
SCHOOLING AREAS Most spawning occurs in this area.
SPAWNING AREAS
GENERAL NOTES

UPSTREAM

LENGTH ACCESSIBLE AVERAGE WIDTH/DEPTH 40'/8"-12"
GRADIENT AND VELOCITIES Moderate to swift
BOTTOM Boulders and small rock.
MARKER DISTANCE
MARKER IDENTIFICATION
BARRIERS A series of falls begins 250' upstream. These falls block the ascent of salmon.
TRIBUTARIES
SCHOOLING AREAS
SPAWNING AREAS Not exceptionally good spawning area.
GENERAL NOTES

ESCAPEMENT RECORD

[Counts made by ground surveys are designated by G. Aerial surveys by A]

	SURVEYED		PINK		CHUM		OTHER SPECIES	REMARKS
Date	Miles	By	Live	Dead	Live	Dead	Live	Adjective rating
1930								
Oct 12	G 0.3	FWS	5					Poor
1947								
Oct 4	G 0.3	FRI-FWS	5,000		10,000			Good
1948								
Sep 27	G 0.3	FWS			3,600			Poor. 250 fish at mouth
1952								
Sep 16	G 0.2	FWS	0		200	0		
1953								
Sep 16	G 0.3	FWS	0		100	0		Poor. 50 chum in intertidal
Oct 17	G 0.1	FWS	0		2	0		Poor. Some dead
1955								
Oct 4	G	FWS	30		15			Poor

113-12 K 165A
55°20.8' N. 132°27.1' W. Previous No. 142J

KETCHIKAN, CLARENCE STRAIT, SKOWL ARM, POLK INLET, E. shore 1.8 miles from head

MAJOR SPECIES Pink, chum
OTHER SPECIES
ESCAPEMENT TIMING
ESCAPEMENT MAGNITUDE
SPAWNING FACILITIES Poor.
STREAM TEMPERATURES Warm range
VALLEY DESCRIPTION
DRAINAGE 5.7 square miles (polar planimeter).
STREAM MOUTH IDENTIFICATION Lies at the N.E. end of a small bay 1.5 miles N. of K 165.
ANCHORAGE See K 165.
TRAILS AND SURVEY ROUTES
AERIAL SURVEY NOTES
GENERAL NOTES An insignificant salmon stream. No records of escapement.

INTERTIDAL ZONE

LENGTH
AVERAGE WIDTH/DEPTH
GRADIENT AND VELOCITIES
BOTTOM
LOW TIDE LOCATION
HIGH TIDE LOCATION
SCHOOLING AREAS
SPAWNING AREAS
GENERAL NOTES

UPSTREAM

LENGTH ACCESSIBLE
AVERAGE WIDTH/DEPTH
GRADIENT AND VELOCITIES
BOTTOM
MARKER DISTANCE
MARKER IDENTIFICATION
BARRIERS
TRIBUTARIES
SCHOOLING AREAS
SPAWNING AREAS
GENERAL NOTES

ESCAPEMENT RECORD

[Counts made by ground surveys are designated by G. Aerial surveys by A]

	SURVEYED		PINK		CHUM		OTHER SPECIES	REMARKS
Date	Miles	By	Live	Dead	Live	Dead	Live	Adjective rating
1948								
Sep 27	G0.1	FWS	10		20			Poor. 10 fish at mouth

113-12 ROCK CREEK K 166
55°18.8' N. 132°26.7' W. Previous No. 142H

KETCHIKAN, CLARENCE STRAIT, SKOWL ARM, POLK INLET, 0.3 mile N.W. of head

MAJOR SPECIES Pink, chum OTHER SPECIES Coho
ESCAPEMENT TIMING Late (estimated) ESCAPEMENT MAGNITUDE
SPAWNING FACILITIES Good
STREAM TEMPERATURES Warm range (estimated).
VALLEY DESCRIPTION
DRAINAGE 7 square miles (polar planimeter).
STREAM MOUTH IDENTIFICATION The stream enters the head of Polk Inlet.
ANCHORAGE Same as for K 165.
TRAILS AND SURVEY ROUTES
AERIAL SURVEY NOTES Stream banks have been logged; visibility excellent.
GENERAL NOTES One escapement record. No record of physical features or indication of importance as a salmon stream.

INTERTIDAL ZONE

LENGTH AVERAGE WIDTH/DEPTH
GRADIENT AND VELOCITIES Moderate
BOTTOM Rubble.
LOW TIDE LOCATION
HIGH TIDE LOCATION
SCHOOLING AREAS
SPAWNING AREAS Most spawning occurs in this area.
GENERAL NOTES

UPSTREAM

LENGTH ACCESSIBLE AVERAGE WIDTH/DEPTH
GRADIENT AND VELOCITIES
BOTTOM
MARKER DISTANCE
MARKER IDENTIFICATION
BARRIERS
TRIBUTARIES Forks <1 mile upstream. The W. fork is about 1.5 miles long and drains a small lake.
SCHOOLING AREAS
SPAWNING AREAS Limited spawning.
GENERAL NOTES

ROCK CREEK

K 166
Previous No. 142H

ESCAPEMENT RECORD

[Counts made by ground surveys are designated by G. Aerial surveys by A]

Date	SURVEYED Miles	By	PINK Live	Dead	CHUM Live	Dead	OTHER SPECIES Live	REMARKS Adjective rating
1930								
Oct 12	G	FWS	15					Poor. Very poor showing of dead fish
1942								
Sep 21	G 0.5	FWS	1,000					Fair
1948								
Sep 27	G 0.5	FWS	215		5,000			Fair. 250 off mouth
1953								
Sep 16	G 0.3	FWS	12		500		8 coho	
Oct 17	G 0.3	FWS	2		0			Visibility poor. Stream high
1955								
Oct 4	G	FWS	50		50			Poor
1956								
Aug 21	G	FWS						2,000 chum, coho, pink
Aug 28	G	FWS			900			
Sep 2	G	FWS						7,200 pink at mouth

113-12 DOG SALMON CREEK K 167
55° 21' N. 132° 28.9' W. Previous No. 142G

KETCHIKAN, CLARENCE STRAIT, SKOWL ARM, POLK INLET, W. shore 3 miles from head

MAJOR SPECIES Pink, chum OTHER SPECIES
ESCAPEMENT TIMING Late (estimated) ESCAPEMENT MAGNITUDE
SPAWNING FACILITIES Limited in the intertidal zone, scattered in the upstream areas.
STREAM TEMPERATURES Warm range (No observed temperatures).
VALLEY DESCRIPTION Stream-cut. Most of the valley has been logged.
DRAINAGE 18 square miles (polar planimeter). Precipitation fed.
STREAM MOUTH IDENTIFICATION The stream enters the S. side of a small bay about 2.5 miles from the head of Polk Inlet. Enters the inlet from the W. side.
ANCHORAGE Refer to K 165.
TRAILS AND SURVEY ROUTES Fairly easy going along the stream bed.
AERIAL SURVEY NOTES Aerial visibility poor due to dark water.
GENERAL NOTES Good escapements to this stream have been reported. Needs further surveying.

INTERTIDAL ZONE

LENGTH 250 yards AVERAGE WIDTH/DEPTH 20'-30'/9"-12"
GRADIENT AND VELOCITIES Moderate
BOTTOM Boulders, mud, sand and silt.
LOW TIDE LOCATION
HIGH TIDE LOCATION
SCHOOLING AREAS Off the mouth.
SPAWNING AREAS This zone has very limited spawning use, the bottom composition consisting largely of fine sediments.
GENERAL NOTES A short zone.

UPSTREAM

LENGTH ACCESSIBLE AVERAGE WIDTH/DEPTH 35'/9"
GRADIENT AND VELOCITIES Moderate
BOTTOM Bedrock in places, large gravel.
MARKER DISTANCE
MARKER IDENTIFICATION
BARRIERS Falls 1 mile upstream are impassable to salmon
TRIBUTARIES None
SCHOOLING AREAS
SPAWNING AREAS Spawning occurs in scattered areas.
GENERAL NOTES

DOG SALMON CREEK

K 167
Previous No. 142G

ESCAPEMENT RECORD

[Counts made by ground surveys are designated by G. Aerial surveys by A]

Date	SURVEYED Miles	By	PINK Live	PINK Dead	CHUM Live	CHUM Dead	OTHER SPECIES Live	REMARKS Adjective rating
1930								
Oct 11	G 0.8	FWS	500					Poor. Very few dead fish
1940								
Sep 27	G 0.8	FWS	20,000					Good. 3,000 fish at mouth
1942								
Sep 21	G 1.0	FWS	5,000		15,000			Good. 10,000 fish at mouth
1948								
Sep 27	G 0.8	FWS	275		2,120			Poor
1952								
Sep 16	G 0.3	FWS						No fish present
1953								
Sep 17	G 0.1	FWS	0		6			Poor. Water too brown & deep
1960								
Sep 2	G	ADF&G	0		50			None at mouth
1961								
Sep 1	A	ADF&G			200			75 at mouth

113-12 K 168
55°21.4' N. 132°29.5 W. Previous No. 142F

KETCHIKAN, CLARENCE STRAIT, SKOWL ARM, POLK INLET, W. shore 3.5 miles from head

MAJOR SPECIES Pink, chum
OTHER SPECIES
ESCAPEMENT TIMING
ESCAPEMENT MAGNITUDE
SPAWNING FACILITIES Poor
STREAM TEMPERATURES Warm range
VALLEY DESCRIPTION A long, low watershed, most of which has been logged.
DRAINAGE 4.6 square miles (polar planimeter).
STREAM MOUTH IDENTIFICATION Lies at the head of the first bight on the W. shore of Polk Inlet.
ANCHORAGE Same as for K 165.
TRAILS AND SURVEY ROUTES Easily hiked at low water stages.
AERIAL SURVEY NOTES Not surveyed from the air due to dark water.
GENERAL NOTES Scant information is available on this stream.

INTERTIDAL ZONE

LENGTH
AVERAGE WIDTH/DEPTH
GRADIENT AND VELOCITIES
BOTTOM
LOW TIDE LOCATION
HIGH TIDE LOCATION
SCHOOLING AREAS
SPAWNING AREAS
GENERAL NOTES

UPSTREAM

LENGTH ACCESSIBLE
AVERAGE WIDTH/DEPTH 20'-30'/6"-8"
GRADIENT AND VELOCITIES Gentle
BOTTOM
MARKER DISTANCE
MARKER IDENTIFICATION
BARRIERS
TRIBUTARIES
SCHOOLING AREAS
SPAWNING AREAS
GENERAL NOTES

ESCAPEMENT RECORD

[Counts made by ground surveys are designated by G. Aerial surveys by A]

	SURVEYED		PINK		CHUM		OTHER SPECIES	REMARKS
Date	Miles	By	Live	Dead	Live	Dead	Live	Adjective rating
1942								
Sep 20	G 1.0	FWS	3,000		3,000			Fair
1948								
Sep 27	G 0.1	FWS	5		15			Poor. 30 at mouth
1952								
Sep 16	G 0.2	FWS						No fish present
1953								
Sep 17	G 0.4	FWS	3		36			Poor
Oct 17	G 1.0	FWS	0		0			Poor visibility. Flooding

113-12 CABIN CREEK K 169
55° 25. 3 N. 132° 28' W. Previous No. 142E

KETCHIKAN, CLARENCE STRAIT, SKOWL ARM, POLK INLET, W. shore 7. 6 miles from head

MAJOR SPECIES Pink, chum OTHER SPECIES Coho
ESCAPEMENT TIMING Late ESCAPEMENT MAGNITUDE
SPAWNING FACILITIES Fair. The lower one-fourth mile has the best spawning facilities. Limited facilities are available in the intertidal zone.
STREAM TEMPERATURES Warm range (estimated).
VALLEY DESCRIPTION Steep slopes. Narrow. Heavily wooded. In the process of being logged off.
DRAINAGE 11 square miles (polar planimeter). Precipitation fed.
STREAM MOUTH IDENTIFICATION Enters Polk Inlet 0. 5 mile W. of K 170. Mouth is rather difficult to see from bay because it winds a good deal.
ANCHORAGE Refer to K 165.
TRAILS AND SURVEY ROUTES Steep banks and heavy brush make travel along this stream difficult. Game trails follow the stream banks.
AERIAL SURVEY NOTES Easily flown. Dark water limits visibility.
GENERAL NOTES One of the best streams in the unlet.

INTERTIDAL ZONE

LENGTH 300 yards AVERAGE WIDTH/DEPTH 20'-25'/10'-14"
GRADIENT AND VELOCITIES Moderate
BOTTOM Lower muddy - gravel upper
LOW TIDE LOCATION
HIGH TIDE LOCATION
SCHOOLING AREAS Off the mouth
SPAWNING AREAS The upper part could be utilized, but only a limited amount has suitable bottom composition.
GENERAL NOTES

UPSTREAM

LENGTH ACCESSIBLE 1 mile AVERAGE WIDTH/DEPTH 20'-50'/6"-15"
GRADIENT AND VELOCITIES Moderate to swift
BOTTOM Small rock, boulders and shale.
MARKER DISTANCE
MARKER IDENTIFICATION
BARRIERS Falls 1 mile upstream are impassable.
TRIBUTARIES
SCHOOLING AREAS
SPAWNING AREAS The lower one-fourth mile has a bottom largely of gravel and offers the best spawning conditions in the stream. Most of the spawning takes place in this area.
GENERAL NOTES 300 yards above the intertidal zone there is a difficult rapids, passable to most fish.

CABIN CREEK

ESCAPEMENT RECORD

[Counts made by ground surveys are designated by G. Aerial surveys by A]

Date	SURVEYED Miles	By	PINK Live	PINK Dead	CHUM Live	CHUM Dead	OTHER SPECIES Live	REMARKS Adjective rating
1930								
Oct 11	G 1.0	FWS	5,000					Good. Fair showing of dead fish
1940								
Sep 27	G 0.8	FWS	8,000					Good. 2,000 fish off mouth
1941								
Oct 2	G 1.0	FWS	50,000					Excellent
1942								
Sep 20	G 0.5	FWS	2,000		3,000			Good. 8,000 fish at mouth
1946								
Oct 3	G 0.5	FWS	20,000					Overpopulated
1947								
Oct 4	G 0.3	FRI,FWS	7,000					Good
1948								
Sep 28	G 0.3	FWS	1,150		4,350			Good
1952								
Sep 16		FWS						No fish in stream. 1 chum at mouth
1955								
Oct 4	G	FWS	1,500		350			
1956								
Sep 2		FWS	5,000					5,000 pink at mouth
1959								
Aug 12	A	FWS	1,500		0			
Sep 2	A	FWS	3,500		0			
Sep 27	A	FWS						Water too high
1960								
Sep 2	G	ADF&G	0		0			None at mouth
1961								
Sep 15	A	ADF&G			200			All old fish

113-12 OLD FRANKS CREEK K 170
55° 25. 6' N. 132° 27. 5' W. Previous No. 142D

KETCHIKAN, CLARENCE STRAIT, SKOWL ARM, POLK INLET, N. shore 8 miles from head

MAJOR SPECIES Pink, chum OTHER SPECIES Coho
ESCAPEMENT TIMING ESCAPEMENT MAGNITUDE
SPAWNING FACILITIES Poor
STREAM TEMPERATURES Warm range
VALLEY DESCRIPTION The lower valley is made up of rolling hills, while the upper valley is mountainous. Heavily forested with second growth spruce and hemlock.
DRAINAGE 34 square miles (polar planimeter). Drains 4 lakes—Lake Mary, Old Franks Lake, and two unnamed lakes, all interconnected by short streams.
STREAM MOUTH IDENTIFICATION The stream enters the upper end of Polk Inlet, about 1 mile W. of the bay entrance. Flows into the bay from the N.
ANCHORAGE Refer to K 165.
TRAILS AND SURVEY ROUTES Travel is difficult. A trail follows the right bank.
AERIAL SURVEY NOTES Dark water and heavy brush limit visibility.

INTERTIDAL ZONE

LENGTH 300 yards AVERAGE WIDTH/DEPTH 40'-50'/12"-20"
GRADIENT AND VELOCITIES Moderate
BOTTOM Medium to coarse gravel.
LOW TIDE LOCATION
HIGH TIDE LOCATION
SCHOOLING AREAS Schooling salmon concentrate below the low tide mark.
SPAWNING AREAS Spawning has not been reported to take place in this zone, but conditions are suitable for such activities.
GENERAL NOTES

UPSTREAM

LENGTH ACCESSIBLE 1. 25 miles AVERAGE WIDTH/DEPTH 50'/18"
GRADIENT AND VELOCITIES Moderate to steep
BOTTOM Shale and bedrock.
MARKER DISTANCE
MARKER IDENTIFICATION
BARRIERS Falls 1. 25 miles upstream are impassable to salmon.
TRIBUTARIES
SCHOOLING AREAS A couple small pools below the falls.
SPAWNING AREAS
GENERAL NOTES

ESCAPEMENT RECORD

[Counts made by ground surveys are designated by G. Aerial surveys by A]

	SURVEYED		PINK		CHUM		OTHER SPECIES	REMARKS
Date	Miles	By	Live	Dead	Live	Dead	Live	Adjective rating
1930								
Oct 11	G 1.3	FWS	20,000					Well seeded. Few chum
1941								
Oct 2	G 1.5	FWS	20,000					Fair
1946								
Oct 3	G 0.8	FWS	4,000		1,000			

113-12 K 171
55° 25. 6' N. 132° 25' W. Previous No. 142C

KETCHIKAN, CLARENCE STRAIT, SKOWL ARM, N. shore 2 miles W. of Old Kasaan National Monument

MAJOR SPECIES Pink
OTHER SPECIES
ESCAPEMENT TIMING
ESCAPEMENT MAGNITUDE
SPAWNING FACILITIES
STREAM TEMPERATURES Warm range
VALLEY DESCRIPTION
DRAINAGE 3 square miles (polar planimeter)
STREAM MOUTH IDENTIFICATION
ANCHORAGE A fair-weather anchorage can be made offshore from the S. W. end of the old Kasaan Village.
TRAILS AND SURVEY ROUTES
AERIAL SURVEY NOTES
GENERAL NOTES Only 1 record of escapement, giving only the number of fish. Unimportant salmon stream.

INTERTIDAL ZONE

LENGTH
AVERAGE WIDTH/DEPTH
GRADIENT AND VELOCITIES
BOTTOM
LOW TIDE LOCATION
HIGH TIDE LOCATION
SCHOOLING AREAS
SPAWNING AREAS
GENERAL NOTES

UPSTREAM

LENGTH ACCESSIBLE
AVERAGE WIDTH/DEPTH
GRADIENT AND VELOCITIES
BOTTOM
MARKER DISTANCE
MARKER IDENTIFICATION
BARRIERS
TRIBUTARIES
SCHOOLING AREAS
SPAWNING AREAS
GENERAL NOTES

ESCAPEMENT RECORD

[Counts made by ground surveys are designated by G. Aerial surveys by A]

SURVEYED			PINK		CHUM		OTHER SPECIES	REMARKS
Date	Miles	By	Live	Dead	Live	Dead	Live	Adjective rating

113-12 K 171A
55° 25.8' N. 132° 22.7' W. Previous No. 142L

KETCHIKAN, CLARENCE STRAIT, SKOWL ARM, N. shore 0.7 mile W. of Old Kasaan National Monument

MAJOR SPECIES
OTHER SPECIES
ESCAPEMENT TIMING
ESCAPEMENT MAGNITUDE
SPAWNING FACILITIES
STREAM TEMPERATURES Warm range.
VALLEY DESCRIPTION The stream flows through a narrow v-shaped valley for about one-third mile and then enters a wide muskeg area.
DRAINAGE 1 square mile (polar planimeter)
STREAM MOUTH IDENTIFICATION
ANCHORAGE Refer to K 171.
TRAILS AND SURVEY ROUTES
AERIAL SURVEY NOTES
GENERAL NOTES No record of escapement or physical features. Not an important salmon stream.

INTERTIDAL ZONE

LENGTH
AVERAGE WIDTH/DEPTH
GRADIENT AND VELOCITIES
BOTTOM
LOW TIDE LOCATION
HIGH TIDE LOCATION
SCHOOLING AREAS
SPAWNING AREAS
GENERAL NOTES

UPSTREAM

LENGTH ACCESSIBLE
AVERAGE WIDTH/DEPTH 10'-15'/4"-6"
GRADIENT AND VELOCITIES
BOTTOM
MARKER DISTANCE
MARKER IDENTIFICATION
BARRIERS
TRIBUTARIES
SCHOOLING AREAS
SPAWNING AREAS
GENERAL NOTES

ESCAPEMENT RECORD

[Counts made by ground surveys are designated by G. Aerial surveys by A]

	SURVEYED		PINK		CHUM		OTHER SPECIES	REMARKS
Date	Miles	By	Live	Dead	Live	Dead	Live	Adjective rating
1948								
Sep 26	G 0.3	FWS	55		5			Poor. 35 fish at mouth
1953								
Sep 30	G 0.1	FWS	22	23	0	3		Poor to fair. 2 chum at mouth

113-12 IVES CREEK K 172
55°30.4' N. 132°28.3' W. Previous No. 143C

KETCHIKAN, CLARENCE STRAIT, KASAAN BAY, S. shore 2.5 miles W. of Baker Point

MAJOR SPECIES Pink OTHER SPECIES
ESCAPEMENT TIMING ESCAPEMENT MAGNITUDE
SPAWNING FACILITIES Fair to good.
STREAM TEMPERATURES Warm range.
VALLEY DESCRIPTION
DRAINAGE 2 square miles (polar planimeter).
STREAM MOUTH IDENTIFICATION The mouth lies at the head of the first cove E. of Coal Bay.
ANCHORAGE
TRAILS AND SURVEY ROUTES
AERIAL SURVEY NOTES
GENERAL NOTES No escapement records. Not an important salmon stream.

INTERTIDAL ZONE

LENGTH AVERAGE WIDTH/DEPTH
GRADIENT AND VELOCITIES
BOTTOM
LOW TIDE LOCATION
HIGH TIDE LOCATION
SCHOOLING AREAS
SPAWNING AREAS
GENERAL NOTES The lower 0.4 mile flows through a tideflat meadow.

UPSTREAM

LENGTH ACCESSIBLE 3.5 miles to lake AVERAGE WIDTH/DEPTH 10'-20'/4"-6"
GRADIENT AND VELOCITIES
BOTTOM
MARKER DISTANCE
MARKER IDENTIFICATION
BARRIERS
TRIBUTARIES
SCHOOLING AREAS
SPAWNING AREAS The first 0.4 mile has fair spawning facilities, above this good spawning facilities extend for an unknown distance.
GENERAL NOTES

ESCAPEMENT RECORD

[Counts made by ground surveys are designated by G. Aerial surveys by A]

	SURVEYED		PINK		CHUM		OTHER SPECIES	REMARKS
Date	Miles	By	Live	Dead	Live	Dead	Live	Adjective rating
1948								
Sep 25	G 0.5	FWS	1,400					Fair. 500 fish off mouth

113-12 K 173
55°29.9' N. 132°29.2' W. Previous No. 143A

KETCHIKAN, CLARENCE STRAIT, KASAAN BAY, COAL BAY, Head

MAJOR SPECIES Pink OTHER SPECIES Coho
ESCAPEMENT TIMING Late (estimated) ESCAPEMENT MAGNITUDE
SPAWNING FACILITIES Fair.
STREAM TEMPERATURES Warm range. (No observed temperatures.)
VALLEY DESCRIPTION
DRAINAGE 3 square miles (polar planimeter).
STREAM MOUTH IDENTIFICATION The stream enters Coal Bay about halfway down the E. shore.
ANCHORAGE The bay offers good protection from all except northerly winds. A reef extends 0.3 mile in a northerly direction off the western point of the entrance to the bay.
TRAILS AND SURVEY ROUTES Easily hiked.
AERIAL SURVEY NOTES Open enough for satisfactory aerial survey.

INTERTIDAL ZONE

LENGTH AVERAGE WIDTH/DEPTH
GRADIENT AND VELOCITIES
BOTTOM
LOW TIDE LOCATION
HIGH TIDE LOCATION
SCHOOLING AREAS
SPAWNING AREAS
GENERAL NOTES

UPSTREAM

LENGTH ACCESSIBLE AVERAGE WIDTH/DEPTH 12'/5"
GRADIENT AND VELOCITIES
BOTTOM
MARKER DISTANCE
MARKER IDENTIFICATION
BARRIERS There have been some log and rubble dams in this stream, but none were complete barriers.
TRIBUTARIES
SCHOOLING AREAS
SPAWNING AREAS
GENERAL NOTES The slopes along this stream have been logged.

ESCAPEMENT RECORD

[Counts made by ground surveys are designated by G. Aerial surveys by A]

Date	SURVEYED Miles	By	PINK Live	PINK Dead	CHUM Live	CHUM Dead	OTHER SPECIES Live	REMARKS Adjective rating
1940								
Sep 25	G 0.8	FWS	5,000					Good. 2,000 fish at mouth
1948								
Sep 25	G 0.3	FWS						No fish seen
1953								
Sep 30	G 0.1	FWS	0		0			No other species
1956								
Season		FWS	4,000				500 coho	Season total by streamguard
1957								
Season		FWS	4.000				500 coho	Good

113-12
KINA CREEK
K 174
0.25 Mile
Rapids Area
HT

113-12 KINA CREEK K 174
55° 29.3 N. 132° 31' W. Previous No. 143

KETCHIKAN, CLARENCE STRAIT, KASAAN BAY, KINA COVE, Head

MAJOR SPECIES Pink OTHER SPECIES Chum, coho, red, trout
ESCAPEMENT TIMING Late (estimated) ESCAPEMENT MAGNITUDE
SPAWNING FACILITIES Poor in the lower 0.4 mile, but good spawning facilities above this point.
STREAM TEMPERATURES Warm range (No observed temperatures).
VALLEY DESCRIPTION Glacial origin. The valley runs towards the S.W. Numerous scattered muskeg areas. The valley floor is flat with rolling hills along the margins. Hills have been logged.
DRAINAGE 9 square miles (polar planimeter). The stream comes out of Kina Lake 2 miles above the mouth. The lake is 0.5 mile long and 0.2 mile wide and is fed by surface runoff.
STREAM MOUTH IDENTIFICATION Lies at the head of Kina Cove.
ANCHORAGE Affords good anchorage in 8 to 10 fathoms, 0.8 mile inside the entrance. In entering, follow a midchannel course..
TRAILS AND SURVEY ROUTES Logging road follows stream for 1 mile.
AERIAL SURVEY NOTES Muskeg water. Not surveyed from the air.

INTERTIDAL ZONE

LENGTH 0.15 mile AVERAGE WIDTH/DEPTH
GRADIENT AND VELOCITIES
BOTTOM
LOW TIDE LOCATION
HIGH TIDE LOCATION
SCHOOLING AREAS
SPAWNING AREAS
GENERAL NOTES

UPSTREAM

LENGTH ACCESSIBLE 0.2 miles to lake AVERAGE WIDTH/DEPTH 15'-30'/5"
GRADIENT AND VELOCITIES Moderate. Gentle in valley leading to lake after one quarter mile.
BOTTOM
MARKER DISTANCE
MARKER IDENTIFICATION
BARRIERS
TRIBUTARIES
SCHOOLING AREAS
SPAWNING AREAS The lower 0.4 mile is largely rocks and rapids, above this there is very good spawning. area.
GENERAL NOTES

K 174
Previous No. 143

ESCAPEMENT RECORD

[Counts made by ground surveys are designated by G. Aerial surveys by A]

Date	SURVEYED Miles	By	PINK Live	PINK Dead	CHUM Live	CHUM Dead	OTHER SPECIES Live	REMARKS Adjective rating
1940								
Sep 26	G 0.5	FWS	5,000					Good. 2,000 fish at mouth
1948								
Sep 25	G 0.1	FWS	3,000		200		1 coho	Fair. 3,000 fish off mouth
1953								
Sep 30	G 0.1	FWS	0		0			No other species
1954								
Sep 14	G 1.3	FWS	25,000				Few coho	Excellent. 10,000 off mouth & bay
1955								
Aug 22	G 2.0	FWS						2,000 red at mouth
1956								
Sep 12	G 2.0	FWS	17,000					2,000 pink at mouth
1957								
Sep 2		FWS						15,000 pink at mouth
Sep 14	A	FWS	75					
Sep 15		FWS	100					150 chum, 100 pink at mouth
1961								
Aug 16	A	ADF&G						30 at mouth - none in stream

113-12 TWELVEMILE CREEK K 175
55° 21.2' N. 132° 44' W. Previous No. 145

KETCHIKAN, CLARENCE STRAIT, KASAAN BAY, TWELVEMILE ARM, Head

MAJOR SPECIES Pink, chum OTHER SPECIES Coho, red
ESCAPEMENT TIMING Late. Sept. -Oct. ESCAPEMENT MAGNITUDE
SPAWNING FACILITIES Excellent in the upper half of the intertidal zone and in all riffle areas throughout the upstream area.
STREAM TEMPERATURES Warm range (Observed temperatures: 46°- 49° F., 1952; 52° F., 9/5/53, 49° F., 9/19/53).
VALLEY DESCRIPTION Flows through a flat area with scattered patches of muskeg. The N. slope has been and is still being logged. The S. slope is heavily wooded. A few seed patches of trees have been left.
DRAINAGE 14 square miles (polar planimeter). Precipitation fed.
STREAM MOUTH IDENTIFICATION The stream enters a small bay at the head of Twelvemile Arm. Extensive grass flats are found along both stream banks in the mouth area.
ANCHORAGE For overnight anchorage the bay at Hollis may be used, or boats can tie up to the dock found there. The arm has good depth until near the upper end and suitable anchorages can be found.
TRAILS AND SURVEY ROUTES A skiff can be taken about 1 mile upstream. From this point the stream bed must be followed.
AERIAL SURVEY NOTES An easy stream for aerial survey with good light conditions.

INTERTIDAL ZONE

LENGTH 1.2 miles AVERAGE WIDTH/DEPTH 80'-100'/16"-24"
GRADIENT AND VELOCITIES Moderate to gentle
BOTTOM Gravel
LOW TIDE LOCATION
HIGH TIDE LOCATION At the log jam.
SCHOOLING AREAS Numerous schooling areas are available throughout this zone.
SPAWNING AREAS The major spawning area is above the half-tide mark.
GENERAL NOTES

UPSTREAM

LENGTH ACCESSIBLE 6.5 miles AVERAGE WIDTH/DEPTH 40'-60'/12"
GRADIENT AND VELOCITIES Moderate
BOTTOM Sand and gravel.
MARKER DISTANCE
MARKER IDENTIFICATION
BARRIERS None reported.
TRIBUTARIES About 1 mile upstream a small tributary enters from the left side.
SCHOOLING AREAS Several large holes between the high tide mark and the forks are utilized.
SPAWNING AREAS Spawning occurs on all riffle areas in the main stream and to a small extent in the tributary.
GENERAL NOTES A forest service and FRI cabin is found at the upper end of the intertidal zone. An extensive logging operation is being conducted here by the Campbell Logging Company.

TWELVEMILE CREEK

ESCAPEMENT RECORD

[Counts made by ground surveys are designated by G. Aerial surveys by A]

Date	SURVEYED Miles	By	PINK Live	PINK Dead	CHUM Live	CHUM Dead	OTHER SPECIES Live	REMARKS Adjective rating
1930								
Oct 13	G 1.0	FWS	2,000					
1937								
Sep 30		FWS						Well seeded with chum, very few pink
1940								
Sep 25	G 2.0	FWS	35,000		500			Good
1941								
Oct 10	G 2.0	FWS	20,000					Good. Evidence of early run
1946								
Oct 2	G 1.5	FWS	10,000		1,000			Poor
1947								
Oct 7	G 1.0	ASI						Poor showing of fish here
1948								
Aug 11	G 0.5	ASI						Chum present
Aug 19	G 1.5	ASI			200			
Aug 26	G 1.0	ASI			200			
Sep 15	G 1.5	ASI	5,000		12,000		25 coho	
Sep 24	G 2.0	FWS	7,850		12,000	200	25 coho	Fair
Sep 28	G 0.5	ASI	3,000		1,000			Many dead chum
Oct 6	G 2.0		2,000	1,000	5,000	4,000	500 coho	
1951								
Sep 19	A 0.3	FRI	1,300	0	900	0	500 coho	Some fish at mouth
1952								
Sep 7	G 0.3	FRI	280	0	54	0	10 coho	50% visibility
Sep 20	G 0.3	FRI	485	0	700	0	350 coho	Few fish, chum and pink
Oct 4	G 0.3	FRI	120		55		27 coho	Occasional dead pink
1953								
Aug 16	G 0.0	FWS	0		0			No other species
Aug 23	G 0.0							Few pink showing
Sep 5	G 0.3	FRI	210	0	40	0	210 coho	
Sep 19	G 0.3	FRI	130		115		150 coho	Few dead pink. Some spawning. 40% visibility
Oct 1	G 0.3	FRI	28		550		400 coho	Few dead chum, pink. None off mouth
Oct 1	G 0.9	FWS	100		600		30 coho	
1954								
Sep 28	G 0.3	FRI	3,500	>200	100		350 coho	Few dead chum. None at mouth
1955								
Sep 19	A 0.3	FRI	3,000					Some chum
Sep 23	A 0.3	FRI	3,500					
Sep 28	A 0.3	FRI	7,000		2,000			Chum fresh, pink spawning. Some dead chum, pink
1956								
Aug 28		FWS	6,000					
Sep 2	G 2.5	FRI	2,500		100			
Sep 3		FWS	2,700		300			
Sep 9	A 0.3	FRI	>3,000					10,000 at mouth
Sep 17	G 2.0	FRI	400		800		26 coho	
Sep 20	A 0.3	FRI	18,000					Chum present. Few dead pink. Several thousand at mouth
Sep 29	A 0.3	FRI	10,000					Chum present. Some dead pink. 2,000 above marker to 2 miles

Date	SURVEYED Miles	By	PINK Live	PINK Dead	CHUM Live	CHUM Dead	OTHER SPECIES Live	REMARKS Adjective rating
1957								
Aug 20	G 0.3	FRI	17		5		3 coho, 4 red	
Aug 27	G 0.3	FRI	70		54		28 coho	
Sep 3	G 0.3	FRI	34		22		25 coho	
Sep 12	G 0.3	FRI	112		153		128 coho, 3 red	
Sep 15	A 0.3	FRI	200		100			Several hundred chum at mouth
Sep 19	G 0.3	FRI	108		416		183 coho	
Sep 27	A 0.3	FRI					1,000 coho	Few chum, pink. None observed at mouth
1958								
Aug 31	G 0.3	FRI	800		135		17 coho	
Sep 7	A 0.5	FWS	500					Few chum. Spawning. Good visibility
Sep 10	G 0.3	FRI	653		113			
Sep 18	G 0.3	FRI	562		54			
Sep 22	G 0.3	FRI	369		51		171 coho	
Sep 30	G 0.3	FRI	22		4			
1959								
Aug 25	G 0.3	FRI	380		40		30 coho	
Aug 29	G 0.3	FRI	300		25			
Sep 2	G 0.3	FRI	125		60		40 coho	
Sep 18	G 0.3	FRI	750		10			
Sep 21	G 0.3	FRI	900		110			
1960								
Aug 26	G 0.3	FRI	70		5			
Sep 5	G 0.3	FRI	1,200		30			
Sep 14	G 0.3	FRI	1,500		30			
Sep 20	G 0.3	FRI	2,050		20			
Sep 25	G 0.3	FRI	1,400		10			
Oct 1	G 0.3	FRI	780		10			
1961								
Aug 18	A	ADF&G	200					100 at mouth - all schooled

113-12
55°23.5' N. 132°42.5 W

K 175A
Previous No. 145A

KETCHIKAN, CLARENCE STRAIT, KASAAN BAY, TWELVEMILE ARM, W. shore 2.7 miles from head

MAJOR SPECIES
ESCAPEMENT TIMING
SPAWNING FACILITIES
STREAM TEMPERATURES Warm range.
VALLEY DESCRIPTION
DRAINAGE
STREAM MOUTH IDENTIFICATION Enters Twelvemile Arm about 1 mile N. along the W. shore from Twelvemile Creek (K 175).
ANCHORAGE See Twelvemile Creek (K 175).
TRAILS AND SURVEY ROUTES
AERIAL SURVEY NOTES
GENERAL NOTES Not an important salmon stream.

OTHER SPECIES
ESCAPEMENT MAGNITUDE

INTERTIDAL ZONE

LENGTH
GRADIENT AND VELOCITIES
BOTTOM
LOW TIDE LOCATION
HIGH TIDE LOCATION
SCHOOLING AREAS
SPAWNING AREAS
GENERAL NOTES

AVERAGE WIDTH/DEPTH

UPSTREAM

LENGTH ACCESSIBLE
GRADIENT AND VELOCITIES
BOTTOM
MARKER DISTANCE
MARKER IDENTIFICATION
BARRIERS
TRIBUTARIES
SCHOOLING AREAS
SPAWNING AREAS
GENERAL NOTES

AVERAGE WIDTH/DEPTH

ESCAPEMENT RECORDS

[Counts made by ground surveys are designated by G. Aerial surveys by A]

	SURVEYED		PINK		CHUM		OTHER SPECIES	REMARKS
Date	Miles	By	Live	Dead	Live	Dead	Live	Adjective rating
1948								
Sep 24	G 0.4	FWS	1,650					Fair

113-12
55°24' N. 132°42.4' W.

K 175B
Previous No. 145B

KETCHIKAN, CLARENCE STRAIT, KASAAN BAY, TWELVEMILE ARM, W. shore 3.2 miles from head

MAJOR SPECIES
ESCAPEMENT TIMING Late (estimated)
SPAWNING FACILITIES
STREAM TEMPERATURES Warm range (No observed temperatures).
VALLEY DESCRIPTION
DRAINAGE 8 square miles (polar planimeter).
STREAM MOUTH IDENTIFICATION Enters the Arm about 1 mile N. of K 175A.
ANCHORAGE Refer to K 175.
TRAILS AND SURVEY ROUTES
AERIAL SURVEY NOTES
GENERAL NOTES No escapement records. Not an important salmon stream.

OTHER SPECIES
ESCAPEMENT MAGNITUDE

INTERTIDAL ZONE

LENGTH
GRADIENT AND VELOCITIES
BOTTOM
LOW TIDE LOCATION
HIGH TIDE LOCATION
SCHOOLING AREAS
SPAWNING AREAS
GENERAL NOTES

AVERAGE WIDTH/DEPTH

UPSTREAM

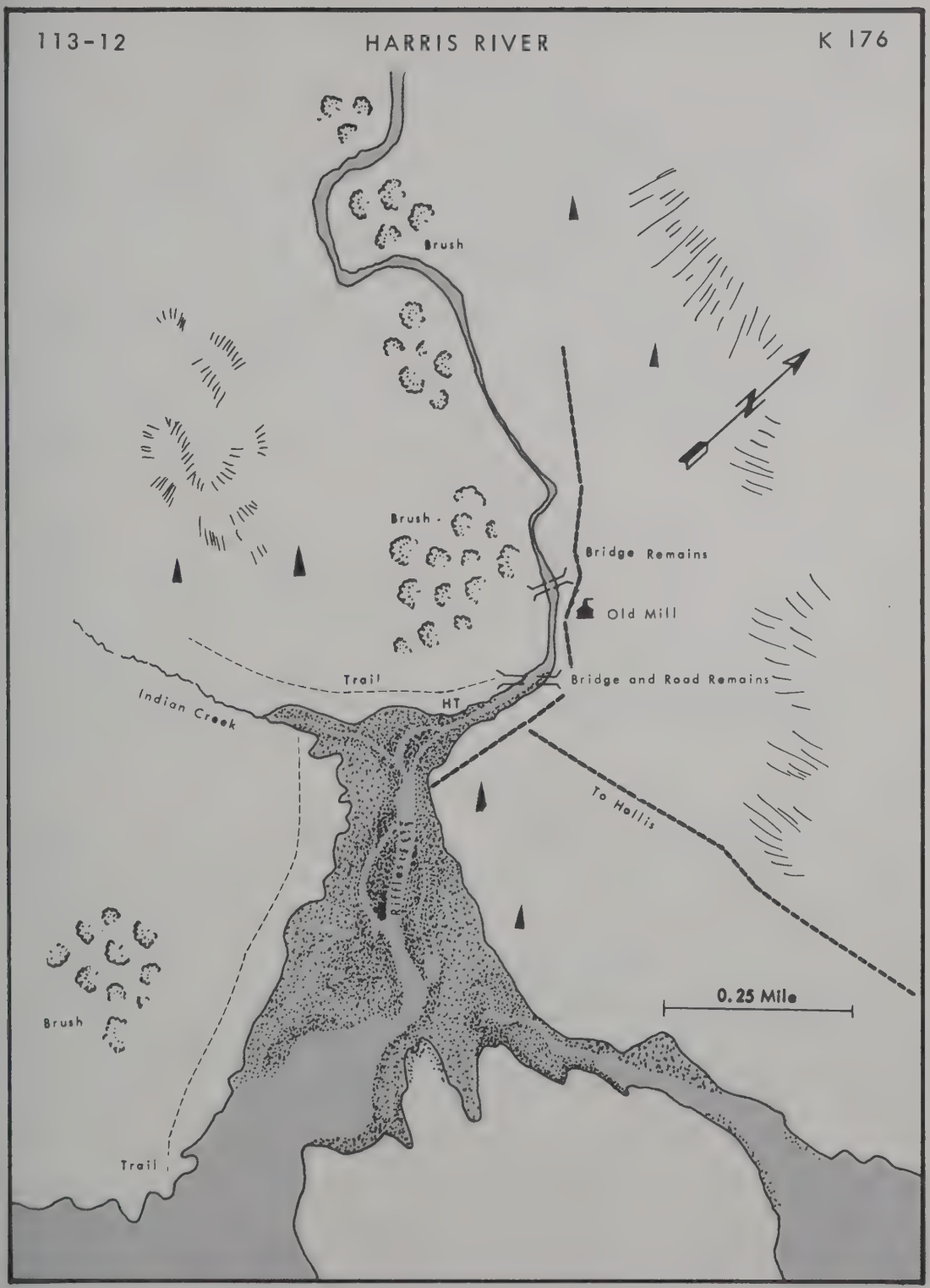
LENGTH ACCESSIBLE
GRADIENT AND VELOCITIES
BOTTOM
MARKER DISTANCE
MARKER IDENTIFICATION
BARRIERS
TRIBUTARIES
SCHOOLING AREAS
SPAWNING AREAS
GENERAL NOTES

AVERAGE WIDTH/DEPTH

ESCAPEMENT RECORD

[Counts made by ground surveys are designated by G. Aerial surveys by A]

Date	SURVEYED Miles	By	PINK Live	PINK Dead	CHUM Live	CHUM Dead	OTHER SPECIES Live	REMARKS Adjective rating
1948								
Sep 24	G 0.1	FWS	1					Poor


113-12
HARRIS RIVER
K 176
Brush
Brush
Bridge Remains
Old Mill
Trail
Bridge and Road Remains
HT
Indian Creek
To Hollis
0.25 Mile
Brush
Trail

113-12 HARRIS RIVER K 176
55° 27. 8' N. 132° 41. 9' W. Previous No. 144

KETCHIKAN, CLARENCE STRAIT, KASAAN BAY, TWELVEMILE ARM, W. shore 8. 2 miles from head

MAJOR SPECIES Pink OTHER SPECIES Chum, coho, red
ESCAPEMENT TIMING Late. Sept. -Oct. ESCAPEMENT MAGNITUDE
SPAWNING FACILITIES Excellent but limited in areas by outcrops of bedrock.
STREAM TEMPERATURES Warm range (Observed temperatures: 47° F , 10/8/48, 48°-51° F., 1949; 47-53° F., 1950; 51°-54° F., 1951; 47°-51° F., 1952; 52° F., 9/5/53, 50° F., 9/18/53).
VALLEY DESCRIPTION A wide valley of glacial origin. Both sides of the valley are lined by snowcapped ridges. Numerous small tributary valleys. Logging has taken place along both sides of the river.
DRAINAGE 29 square miles (polar planimeter) Precipitation fed. Numerous small feeder streams fed by surface runoff drain into the river.
STREAM MOUTH IDENTIFICATION The stream enters Twelvemile Arm about 1. 5 miles south of Hollis. Extensive mud flats 0. 8 mile long and 0. 5 mile wide are found at the mouth. Runs into the arm on the S. side of the island.
TRAILS AND SURVEY ROUTES At high tide a skiff may be taken upstream for some distance. When the tide is low a trail may be followed up the left bank. The stream bed is easily followed above the intertidal zone.
AERIAL SURVEY NOTES Excellent for aerial survey.
GENERAL NOTES

INTERTIDAL ZONE

LENGTH Approx. 1. 5 miles AVERAGE WIDTH/DEPTH 60'-75'/2'
GRADIENT AND VELOCITIES Moderate
BOTTOM Gravel and fine sediments.
LOW TIDE LOCATION At outer end of island off mouth.
HIGH TIDE LOCATION At first cataract.
SCHOOLING AREAS Numerous pools from the midtide mark to the high tide mark offer shelter for schooling salmon.
SPAWNING AREAS Heavy spawning occurs in a riffle area above the confluence of Harris and Indian Rivers (K176-1), extending to the high tide mark. It has been estimated that in some years 60 percent of the spawning population utilizes this area.
GENERAL NOTES

UPSTREAM

LENGTH ACCESSIBLE 8 miles AVERAGE WIDTH/DEPTH 30'-40'/2"-24"
GRADIENT AND VELOCITIES
BOTTOM Gravel, rock and considerable bedrock in the lower part of stream.
MARKER DISTANCE
MARKER IDENTIFICATION
BARRIERS None
TRIBUTARIES Indian Creek joins the Harris River about 500 yards below the high tide mark.
SCHOOLING AREAS Pools are found throughout the upstream section.
SPAWNING AREAS At the upper end of the cataract area marked by the remains of an ore stamping mill and wooden bridge abutments there is good spawning gravel with occasional bedrock outcrops. This extends for about 2 miles. Here the valley widens into an area of beaver ponds, log jams, and riffles. About 5 miles of this area is accessible to spawning.
GENERAL NOTES An FRI camp is found in the S. W. corner of the Hollis anchorage on the N. shore. The FWS has a cabin just below the high tide mark.

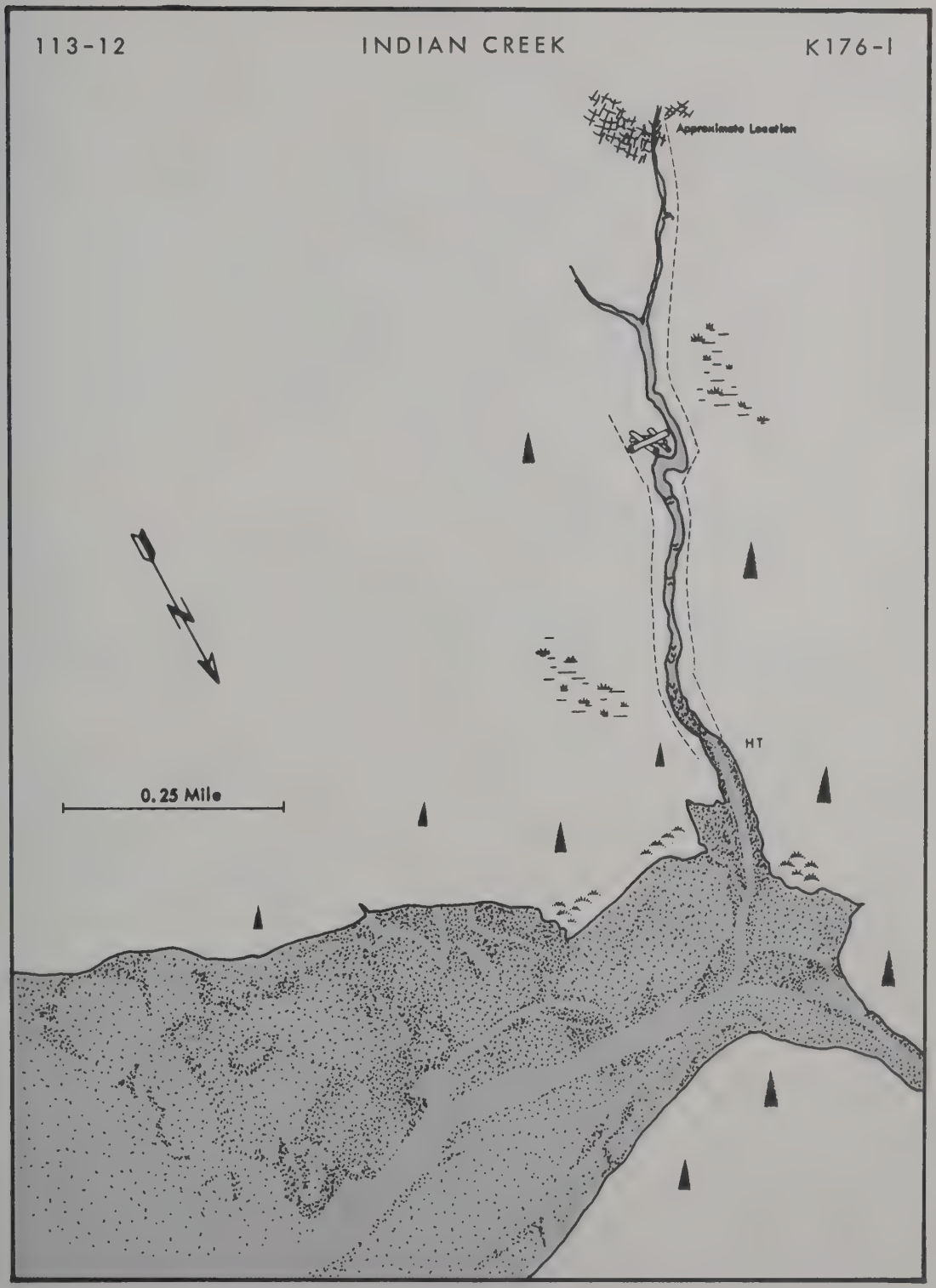
ESCAPEMENT RECORD

[Counts made by ground surveys are designated by G. Aerial surveys by A]

Date	SURVEYED Miles	By	PINK Live	PINK Dead	CHUM Live	CHUM Dead	OTHER SPECIES Live	REMARKS Adjective rating
1930								
Oct 13		FWS						Well seeded. Few live, but indications good of earlier fish
1938								
Aug 26		FWS						10,000 pink off mouth
1939								
Sep 22		FWS	10,000					Poor. 5,000 fish off mouth
1940								
Sep 25	G 1.5	FWS	20,000					Good
1941								
Oct 10	G 1.5	FWS	15,000					Fair
1942								
Sep 2	G 1.5	FWS	7,000					Fair
1945								
Sep 25	G 0.5	FWS	10,000					Excellent. 20,000 fish off mouth
1946								
Oct 2	G 1.5	FWS	30,000		500			Good
1947								
Oct 7	G 1.0	ASI						Poor. Signs of a small earlier run
1948								
Aug 11	G 1.0	ASI						No fish in stream yet
Aug 19	G 1.0	ASI			1,300			
Aug 26	G 1.5	ASI	100		2,000		20 coho	
Sep 16	G 1.5	ASI	3,500		4,000		100 coho	
Sep 24	G 1.3	FWS	10,000		500		10 coho	Fair
Sep 29	G 0.3	ASI	3,000		1,000		500 coho	
Oct 1	G 2.0	ASI	1,000	1,000	1,000	2,000	300 coho	Fair
1949								
Sep 11	G 1.0	FRI	1,764	12	413	7	75 coho	
Sep 19	G 6.5	USFS	10,045		1,570		20 coho, 5 red	
Sep 27	G 6.0	USFS	17,285		975		225 coho, 25 red	
Sep 29	G 1.0	FRI	14,800	291	180	74	102 coho	
Oct 9	G 1.0	FRI	4,600	1,561	1	22		
1950								
Aug 25	G 2.0	USFS			349			
Aug 31	G 1.5	USFS	3,445		700			
Sep 15	G 7.0	USFS	8,642		1,592		577 coho, 4 red	
Sep 16	G 1.0	FRI	5,754	65	57	2	112 coho	
Sep 28	G 1.0	FRI	2,505	255	19		95 coho	
Oct 4	G 5.0	USFS	3,788		179		1,785 coho	
Oct 8	G 0.3	FRI						Some dead pink. Flooding
1951								
Aug 3	G 0.0	USFS	100		0			
Aug 9	G 0.1	USFS	55		35			
Aug 21	G 0.1	USFS	30		5			
Aug 24	G 0.5	FRI	90	0		0		Several chum. Run just started. Few off mouth
Aug 28		USFS	1,335		265		60 coho, 2 red	
Sep 6	G 1.0	FRI	2,100	0	630	0	120 coho	
Sep 12	G 1.0	USFS	2,525		400		22 coho	
Sep 15	G 5.0	USFS	6,127		4,289		680 coho	
Sep 19	G 1.0	FRI	6,150	0	2,850	0	Good coho showing	Most fish in intertidal zone
Oct 3		USFS						Many fish in stream. Murky water, high tide

Date	SURVEYED Miles	By	PINK Live	PINK Dead	CHUM Live	CHUM Dead	OTHER SPECIES Live	REMARKS Adjective rating
1952								
Aug 20		USFS	205		53			
Aug 30	G 2.9	USFS	2,072		228		4 coho	Fish are fresh
Sep 7	G 0.5	FRI	475	0		0	Some coho	Some chum. Stream flooding
Sep 9	G 2.9	USFS	1,347		177		18 coho	Fish are spawning
Sep 20	G 1.0	FRI	1,700	50	200	0	350 coho	
Sep 24	G 3.3	USFS	589		321			
Oct 4	G 1.0	FRI	20		10		450 coho	Few dead chum, pink
1953								
Aug 23	G 0.0	FWS						Few pink
Sep 5	G 1.0	FRI	585	0	285	0	465 coho	
Sep 18	G 1.0	FRI	312		80	0	60 coho	Few dead pink. Chum, pink spawning, visibility 0 in holes, 70% on riffles
Sep 28	G 0.3	FWS						Water too high to count
Sep 30	G 0.7	FWS	120	12	0			Stream very low
Oct 1	G 0.5	FRI	44		12		125 coho	Few dead chum, pink. No fish off mouth
1954								
Aug 12	G 0.7	USFS			185			
Aug 18	G 0.7	USFS	1,041		630			
Aug 23	G 0.8	USFS	3,210	4	200	1		
Aug 30	G 2.0	USFS	4,388		423	7		
Sep 8	G 2.3	USFS	3,107		29	17		
Sep 13	G 2.5	USFS	11,707	86	604	30		
Sep 15	A 5.0	FRI	7,500					3,000 in bay. Water very low
Sep 20	G 2.0	USFS	25,715	484	253	32		
Sep 28	A 1.0	FRI	9,000	>200				Few chum live and dead
Sep 29	G 4.0	USFS	29,955	1,495	240	5		
Oct 4			21,611	11,277	7		14 coho	
1955								
Aug 29	G 1.0	USFS	362		100			
Sep 6	G 1.0	USFS	2,030		139		35 coho	
Sep 13	G 1.0	USFS	2,648	8	1,678	4	2 coho	
Sep 19	A 1.0	FRI	4,000		>500			
Sep 19	G 1.0	USFS	4,852	11	15		1 coho	
Sep 23	A 1.0	FRI	22,000					Some chum. Some dead chum, pink. 7,000 chum above marker
Sep 28	A 1.0	FRI	18,000					Some dead pink. 7,000 chum, 4,000 pink above marker
1956								
Aug 28		FWS	2,000					
Sep 2	G 3.0	FRI	15,000		1,000			
Sep 3		FWS	32,250		1,750			
Sep 10	G 2.0	FRI	30,000		300		300 coho	
Sep 20	A 1.0	FRI	45,000					Chum present. Few dead pink
Sep 29	A 1.0	FRI	25,000					Chum present. Few dead pink. 3,000 fish above marker
1957								
Aug 16	G 1.0	FRI	265		66			
Aug 22	G 1.0	FRI	250		200			
Aug 27	G 1.0	FRI	552		33			
Sep 2	G 1.0	FRI	567		84		6 coho	
Sep 8	A 1.0	FRI	1,200					
Sep 9	A 1.0	FRI	1,200	0	0	0		300 chum above tide mark
Sep 11	G 1.0	FRI	359		159		62 coho	
Sep 22	A 1.0	FRI	1,500		0	0		Few dead pink. Few fish at mouth
Sep 22	G 1.0	FRI	348		312		300 coho	
Sep 27	A 1.0	FRI		>200	0	0		Some pink. None observed at mouth

Date	SURVEYED Miles	By	PINK Live	PINK Dead	CHUM Live	CHUM Dead	OTHER SPECIES Live	REMARKS Adjective rating
1958								
Aug 14	G 1.0	FRI	270		150			
Aug 30	G 1.0	FRI	2,780		131			
Sep 7	A 0.5	FRI	700					Some chum. Good visibility. Most fresh
Sep 10	G 1.0	FRI	2,800		59		18 coho	
Sep 22	G 1.0	FRI	842		0		15	
Sep 29	G 1.0	FRI	30		0		11 coho	
1959								
Aug 25	G 1.0	FRI	1,500		25		100 coho	
Sep 4	G 1.0	FRI	4,650		0			
Sep 18	G 1.0	FRI	3,500		25			
Sep 21	G 1.0	FRI	4,000		0			
1960								
Aug 25	G 1.0	FRI	200		0			
Sep 5	G 1.0	FRI	2,400		0			
Sep 10	G 1.0	FRI	4,600		0			
Sep 15	G 1.0	FRI	3,000		0			
Sep 20	G 1.0	FRI	2,800		0			
Sep 29	G 1.0	FRI	1,000		0			


113-12
INDIAN CREEK
K176-I
Approximate Location
HT
0.25 Mile

113-12 INDIAN CREEK K 176-1
55°27.5' N. 132°41.4' W. Previous No. 144A

KETCHIKAN, CLARENCE STRAIT, KASAAN BAY, TWELVEMILE ARM, W. shore 7.8 miles from head

MAJOR SPECIES Pink OTHER SPECIES Chum, coho
ESCAPEMENT TIMING Late. Sept.-Oct. ESCAPEMENT MAGNITUDE
SPAWNING FACILITIES Good in the intertidal zone and lower 0.25 mile of stream. Becomes progressively poorer upstream.
STREAM TEMPERATURES Warm range (Observed temperatures: 52° F., 9/11/49; 46° F., 10/9/49; 39°-55° F., 1950; 47°-57° F., 1951).
VALLEY DESCRIPTION A stream cut valley lying in a valley of glacial origin. The gradient is steep along the stream. The valley is not being logged.
DRAINAGE 11 square miles (polar planimeter). Precipitation fed. Snowfields are found in the upper valley. A few small lakes drain into the stream in the lower mile.
STREAM MOUTH IDENTIFICATION The stream enters the S.E. corner of the grass flats at the mouth of the Harris River. Joins Harris River about midway up the intertidal zone.
ANCHORAGE Refer to Harris River (K 176).
TRAILS AND SURVEY ROUTES Trails follow both banks. The trail on the left side goes as far as the stream gage.
AERIAL SURVEY NOTES Aerial survey difficult in the upstream area.

INTERTIDAL ZONE

LENGTH 0.2 mile AVERAGE WIDTH/DEPTH 20'/6"-10"
GRADIENT AND VELOCITIES Moderate
BOTTOM Good spawning gravel.
LOW TIDE LOCATION The S.W. corner of Cat Island.
HIGH TIDE LOCATION 600 feet above the confluence with the Harris River.
SCHOOLING AREAS Pools are found in the lower part of this zone.
SPAWNING AREAS This zone provides the major spawning area, and most of the spawning occurs here.
GENERAL NOTES

UPSTREAM

LENGTH ACCESSIBLE AVERAGE WIDTH/DEPTH 40'/8"
GRADIENT AND VELOCITIES Moderate
BOTTOM Good spawning gravel.
MARKER DISTANCE
MARKER IDENTIFICATION
BARRIERS Beaver dams and log jams have been reported.
TRIBUTARIES None reported.
SCHOOLING AREAS Few pools available.
SPAWNING AREAS The lower 0.25 mile contains good spawning gravel and the upstream spawning is mainly in this area. Upstream the bottom composition becomes coarse and unsuitable for spawning.
GENERAL NOTES

ESCAPEMENT RECORD

[Counts made by ground surveys are designated by G. Aerial surveys by A]

Date	SURVEYED Miles	By	PINK Live	PINK Dead	CHUM Live	CHUM Dead	OTHER SPECIES Live	REMARKS Adjective rating
1930								
Oct 13		FWS						Well seeded. Few live fish, but indications of good earlier run
1938								
Aug 26		FWS						Water too low for fish to enter
1939								
Sep 22	G 1.0	FWS	7,000					Good. 5,000 fish at mouth
1946								
Oct 2	G 1.0	FWS	300					Good. 30,000 fish off mouth
1948								
Sep 24	G 0.4	FWS	3,700		120		1 coho	Good
1949								
Aug 30	G 0.3	FWS	130		8			
Sep 11	G 1.5	FRI	3,296	2	106	3	1 coho	
Sep 15	G 1.0	USFS	2,010		69			
Sep 19	G 1.0	USFS	2,000		60			
Sep 27	G 1.0	USFS	3,495		55			
Oct 9	G 1.0	FRI	2,290	176	9			
1950								
Aug 25	G 1.0	USFS	0	0	0	0		
Aug 31	G 1.0	USFS	1,378		1			
Sep 15	G 1.0	USFS	966		2		15 coho	
Sep 16	G 1.0	FRI	887	9				
Sep 28	G 1.0	FRI	1,390	85	10		10 coho	
Oct 2	G 0.5	USFS	985		5			
Oct 8	G 1.0	FRI						Few pink, some dead pink. Peak past. Flooding
1951								
Aug 4	G 0.8	USFS	10		0			
Aug 9	G 0.8	USFS						No fish in creek. Water very low
Aug 21	G 0.8	USFS	2		0			
Aug 28	G 0.8	USFS	100		0		2 coho	
Sep 13	G 0.8	USFS	850		246			
Sep 24	G 0.8	USFS	2,350		485			
Oct 3	G 0.8	USFS	3,595		405			
1952								
Aug 20		USFS			42			
Sep 7	G 0.1	FRI	225	0		0		Chum present. Stream flooding
Sep 9	G 0.8	USFS	775		7			
Sep 24	G 1.0	USFS	176		6			
1953								
Sep 18	G 0.3	FRI	120		20			Visibility 70%. Chum, pink spawning
Sep 28	G 0.5	FWS	250		6			High water, poor estimate
Sep 30	G 0.3	FWS	30	3	8			Most fish at mouth
1954								
Sep 28	A 0.5	FRI	4,000					Some dead pink
1955								
Sep 19	A 0.5	FRI	3,500					
1956								
Sep 2	G 0.5	FRI	2,000		25			
Sep 10	G 0.8	FRI	1,500		60			
Sep 20	A 1.0	FRI	9,000					Few dead pink. Spawning
Sep 29	A 1.0	FRI	7,000					Spawning
1957								
Aug 21	G 1.0	FRI	0		0			
Aug 27	G 1.0	FRI	31		2			

Date	SURVEYED Miles	By	PINK Live	PINK Dead	CHUM Live	CHUM Dead	OTHER SPECIES Live	REMARKS Adjective rating
1957								
Sep 2	G 1.0	FRI	83		13			
Sep 9	A 1.0	FRI	500					
Sep 11	G 1.0	FRI	165		22		1 coho	Very poor
Sep 22	G 1.0	FRI	26		15		10 coho	
1958								
Aug 29	G 1.0	FRI	405		0			
Sep 10	G 1.0	FRI	256		0			
Sep 22	G 1.0	FRI	305		0			
Sep 29	G 1.0	FRI	2,100		0			
1959								
Aug 25	G 1.0	FRI	20		0			
Sep 4	G 1.0	FRI	400		0			
Sep 8	G 1.0	FRI	1,300		0			
Sep 18	G 1.0	FRI	1,200		0			
Sep 21	G 1.0	FRI	1,500		0			
1960								
Aug 25	G 1.0	FRI	30		0			
Aug 30	G 1.0	FRI	240		0			
Sep 5	G 1.0	FRI	2,050		0			
Sep 10	G 1.0	FRI	2,400		0			
Sep 15	G 1.0	FRI	1,300		0			
Sep 20	G 1.0	FRI	1,100		0			
Sep 29	G 1.0	FRI	300		0			

113-12
55°29.4' N. 132°40' W. MAYBESO CREEK K 177
Previous No. 144B
KETCHIKAN, CLARENCE STRAIT, KASAAN BAY, TWELVEMILE ARM, N. shore 10 miles from head

MAJOR SPECIES Pink, chum OTHER SPECIES Coho, red
ESCAPEMENT TIMING Middle. Aug.-Sept. ESCAPEMENT MAGNITUDE
SPAWNING FACILITIES Fair in the upper intertidal zone and good above the falls. Pink and chum are sometimes restricted to the intertidal zone.
STREAM TEMPERATURES Warm range. (Observed temperature: 48°-53° F., 1950; 46°-54° F., 1951).
VALLEY DESCRIPTION Glacial origin. The valley has slopes of moderate gradient. This area has been partially logged off. Numerous tributary valleys.
DRAINAGE 21 square miles (polar planimeter). Precipitation fea. A large snowfield is found on the western slope of the valley. A few scattered muskeg areas.
STREAM MOUTH IDENTIFICATION Enters the Hollis anchorage just E. of the old village of Hollis. A large tide flat is found at the mouth, the stream runs nearly through the middle of it.
ANCHORAGE Refer to Harris River (K 176).
TRAILS AND SURVEY ROUTES A road runs from Hollis to the stream, where a bridge may be crossed. Also a road leaves the bay 0.2 mile N.E. of the creek mouth and goes to the headwaters about 6 miles upstream.
AERIAL SURVEY NOTES The open valley offers good visibility for aerial survey.
GENERAL NOTES Both sides of the valley have been heavily logged.

INTERTIDAL ZONE

LENGTH >0.5 mile AVERAGE WIDTH/DEPTH
GRADIENT AND VELOCITIES
BOTTOM Largely mud and sand in lower part, some gravel above.
LOW TIDE LOCATION At south edge of tide flat.
HIGH TIDE LOCATION At the foot of the first falls.
SCHOOLING AREAS Schooling is heavy in the deep pool below the falls.
SPAWNING AREAS Spawning occurs in the upper part of this zone.
GENERAL NOTES

UPSTREAM

LENGTH ACCESSIBLE 5 miles AVERAGE WIDTH/DEPTH 30'/10"
GRADIENT AND VELOCITIES Variable
BOTTOM Bedrock to gravel.
MARKER DISTANCE
MARKER IDENTIFICATION
BARRIERS Two falls are present. The first 450' upstream is a 4' falls, 50' above is a 6' falls. Above this there is a series of cascades. These present a partial block to pink and chum.
TRIBUTARIES
SCHOOLING AREAS
SPAWNING AREAS Good spawning areas are available above the falls, the area immediately below the falls is used extensively.
GENERAL NOTES Has approximately 4 miles of length suitable for spawning for fish that get over the falls at the head of the tidal zone.

ESCAPEMENT RECORD

[Counts made by ground surveys are designated by G. Aerial surveys by A]

SURVEYED			PINK		CHUM		OTHER SPECIES	REMARKS
Date	Miles	By	Live	Dead	Live	Dead	Live	Adjective rating
1930								
Oct 14	G 3.0	FWS						Very few live, poor showing of dead
1939								
Sep 22	G 0.5	FWS	1,500					
1940								
Sep 26	G 0.8	FWS	3,000					Poor
1941								
Oct 10	G 1.0	FWS	200					Poor. 10,000 off mouth
1948								
Aug 11	G 0.5	ASI						No fish in stream
Aug 19	G 0.5	ASI			1,500			
Aug 26	G 2.0	ASI			5,200			
Sep 3	G 0.3	FRI			2,000			
Sep 9	G 0.1	ASI			1,000			
Sep 16	G 0.3	ASI			3,000	200	15 coho	
Sep 24	G 0.5	FWS	75		1,200		30 coho	Fair
Sep 29	G 3.0	ASI			600		65 coho	
1949								
Aug 25	G 2.0	FWS			900			
Aug 30	G 0.2	FWS			100			
Sep 16	G 2.0	USFS	688		669		50 coho, 1 red	
Sep 26	G 4.0	USFS	5,506		360		222 coho	
1950								
Aug 24	G 0.5	USFS			300			
Aug 31	G 2.0	USFS			544			44 chum above falls
Sep 14	G 0.5	USFS	200		300		25 coho	Low water
Sep 17	G 4.0	USFS	315		420		349 coho, 1 red	
Oct 2	G 2.5	USFS	310		160		631 coho	
1951								
Aug 8	A 2.5	USFS	15		50			
Aug 20	A 1.0	USFS	5		197		3 red	
Aug 27	A 1.4	USFS	34		479		7 coho	
Sep 11	A 0.8	USFS	20		500			
Sep 17	A 2.2	USFS	177		2,018		135 coho, 3 red	
Sep 18	A 0.8	USFS	75		875		50 coho	
Oct 3	A 0.5	USFS	705		660		325 coho	Many carcasses
1952								
Aug 11	G 0.9	USFS	2		20			
Aug 20	G 0.9	USFS	6		202			
Aug 30	G 3.5	USFS	66		1,354			Fish are spawning
Sep 9	G 3.5	USFS	10		369			Fish getting ragged. Many spawners
1953								
Aug 12	G 0.0	USFS			102			
Aug 15	G 1.5	USFS			300			
Aug 24		USFS			1,040			
Aug 31	G 0.1	USFS			300			
Sep 1	G 4.5	USFS			1 955			
Sep 29	G 0.1	FWS						None observed

Date	SURVEYED Miles	By	PINK Live	PINK Dead	CHUM Live	CHUM Dead	OTHER SPECIES Live	REMARKS Adjective rating
1954								
Aug 11	G 0.5	USFS			278	7		
Aug 17	G 0.5	USFS			393	7		
Aug 23	G 0.5	USFS			1,079	49		
Aug 30	G 0.5	USFS			1,297	126		
Sep 9	G 2.0	USFS	5		422	265		
Sep 14	G 1.0	USFS	65		142	445		
Sep 21	G 0.8	USFS						No count made as water too high
Sep 29		USFS	3,571	1	707	31		
Oct 4		USFS	2,652	128	430	0	No coho	
Oct 25								Few live. Dead washed out
1955								
Aug 30	G 0.1	USFS			100	6		
Sep 7	G 0.1	USFS			125	5		
Sep 14	G 0.1	USFS	12		310	11		
Sep 20	G 0.1	USFS	96	3	212	4		
Sep 21	G 2.0	FWS			25			
1956								
Aug 30	G 4.0	FRI			330			
Sep 3	G 1.0	FRI	5		600			Chum spawning
Sep 17	G 2.0	FRI	400		800		26 coho	
1957								
Aug 21	G 0.8	FRI	7		400		1 red	
Sep 3	G 0.8	FRI	9		1,124		9 coho, 1 red	
Sep 13	G 0.8	FRI	8		88		31 coho	
Sep 20	G 0.8	FRI	8		70		44 coho	
1958								
Sep 1	G 0.5	FRI	35		20		2 coho	
Sep 23	G 0.5	FRI	21		0			
1959								
Aug 25	G 0.8	FRI	10		25			
Sep 4	G 0.8	FRI	5		6			
Sep 10	G 0.8	FRI	0		30			
Sep 18	G 0.8	FRI	75		0			
Sep 24	G 0.8	FRI	40		0			
1960								
Aug 16	G 1.5	FRI	0		260			
Aug 22	G 1.5	FRI	1		445			
Aug 30	G 1.5	FRI	1		300			
Sep 6	G 1.5	FRI	17		130			
Sep 13	G 1.5	FRI	9		37			
Sep 20	G 1.5	FRI	6		46			

113-12 K 177A
55°29.4' N. 132°39.3' W. Previous No. 144C

KETCHIKAN, CLARENCE STRAIT, KASAAN BAY, TWELVEMILE ARM, N. shore 10.3 miles from head

MAJOR SPECIES
ESCAPEMENT TIMING
SPAWNING FACILITIES
STREAM TEMPERATURES Warm range
VALLEY DESCRIPTION
DRAINAGE 6 square miles (polar planimeter).
STREAM MOUTH IDENTIFICATION
ANCHORAGE
TRAILS AND SURVEY ROUTES
AERIAL SURVEY NOTES
GENERAL NOTES No record of escapement. Not an important salmon stream.

OTHER SPECIES
ESCAPEMENT MAGNITUDE

INTERTIDAL ZONE

LENGTH
GRADIENT AND VELOCITIES
BOTTOM
LOW TIDE LOCATION
HIGH TIDE LOCATION
SCHOOLING AREAS
SPAWNING AREAS
GENERAL NOTES

AVERAGE WIDTH/DEPTH

UPSTREAM

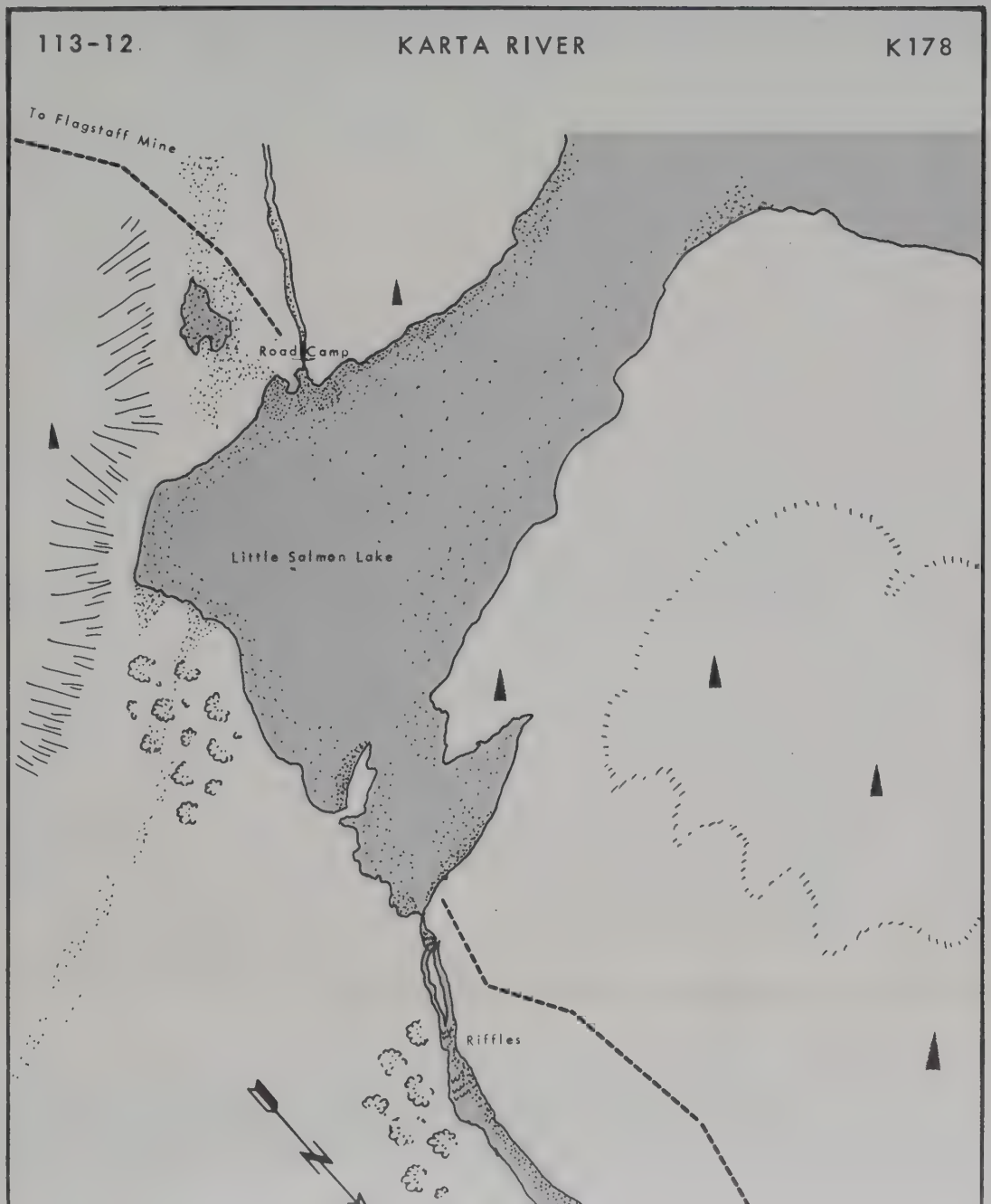
LENGTH ACCESSIBLE
GRADIENT AND VELOCITIES
BOTTOM
MARKER DISTANCE
MARKER IDENTIFICATION
BARRIERS
TRIBUTARIES
SCHOOLING AREAS
SPAWNING AREAS
GENERAL NOTES

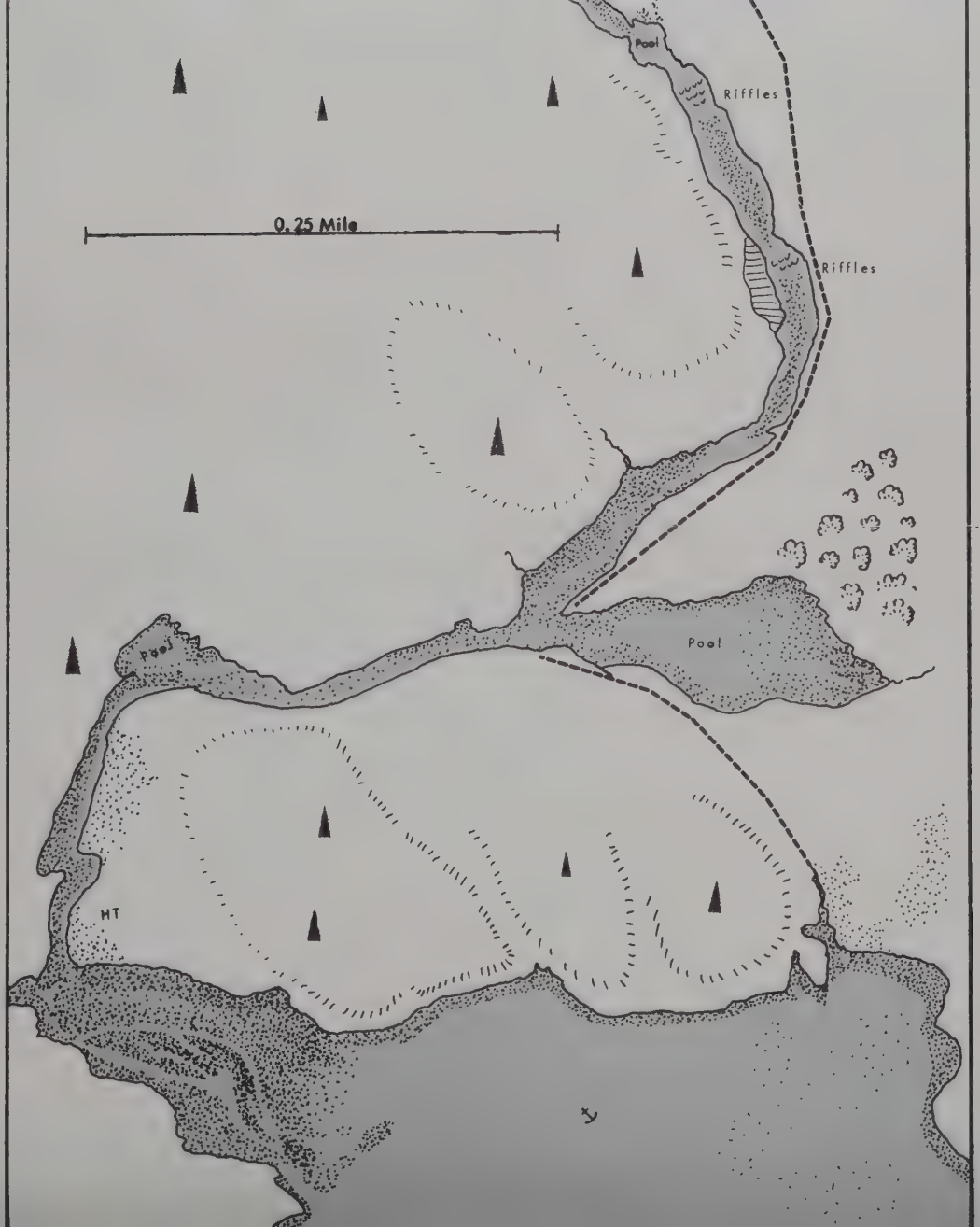
AVERAGE WIDTH/DEPTH

ESCAPEMENT RECORD

[Counts made by ground surveys are designated by G. Aerial surveys by A]

	SURVEYED		PINK		CHUM		OTHER SPECIES	REMARKS
Date	Miles	By	Live	Dead	Live	Dead	Live	Adjective rating
1948								
Sep 24	G0.5	FWS	50		2,000			Good


113-12
KARTA RIVER
K178
To Flagstaff Mine
Road Camp
Little Salmon Lake
Riffles


Pool
Riffles
0.25 Mile
Riffles
Pool
Pool
HT

113-12 KARTA RIVER K 178
55°33.5' N. 132°34.4' W. Previous No. 146

KETCHIKAN, CLARENCE STRAIT, KASAAN BAY, KARTA BAY, Head

MAJOR SPECIES Pink, chum OTHER SPECIES Coho, red
ESCAPEMENT TIMING Late. Sept.-Oct. ESCAPEMENT MAGNITUDE
SPAWNING FACILITIES Fair. A limited amount of spawning in upper intertidal zone. Spawning on all riffles upstream.
STREAM TEMPERATURES Warm range (Observed temperature: 60°-61° F., 1951.)
VALLEY DESCRIPTION The river and the other lakes and streams in this system lie in a valley of glacial origin. Two large tributary valleys enter at the upper end, the first containing McGilvery Creek and the second Andersen Creek.
DRAINAGE 64 square miles (polar planimeter). This river drains Little Salmon Lake, 1.2 miles long and 0.2 mile wide, which is connected to Salmon Lake, 4.5 miles long and 1.5 miles wide. Numerous tributaries enter these lakes.
STREAM MOUTH IDENTIFICATION The stream enters the head of Karta Bay. In the lower reaches the stream runs between steep bedrock banks.
ANCHORAGE Good anchorage in 10 to 12 fathoms is found at the head of the bay. Anchor off the beach near the start of the Forest Service trail, which is marked by a sign.
TRAILS AND SURVEY ROUTES A Forest Service trail follows the left bank up to Little Salmon Lake. The stream bed is slippery, especially in its lower reaches and difficult to travel.
AERIAL SURVEY NOTES Aerial visibility is very poor due to the dark water and bottom composition.

INTERTIDAL ZONE

LENGTH 0.3 mile AVERAGE WIDTH/DEPTH 35'-50'/16"
GRADIENT AND VELOCITIES Moderate
BOTTOM Rocky with large areas of boulders.
LOW TIDE LOCATION
HIGH TIDE LOCATION At the head of a hundred yard straight stretch where riffles start and the stream turns sharply to the right and splits.
SCHOOLING AREAS The bay off the mouth of the weir is utilized heavily for schooling. In some years schools of fish are found over nearly the entire bay. Schooling also takes place in the pools of the lower intertidal zone.
SPAWNING AREAS Some spawning occurs near the upper limit.
GENERAL NOTES Lower part is very rocky with steep bedrock banks.

UPSTREAM

LENGTH ACCESSIBLE 1.7 miles to lake AVERAGE WIDTH/DEPTH 150'/18"
GRADIENT AND VELOCITIES Moderate to swift
BOTTOM Gravel and rock.
MARKER DISTANCE
MARKER IDENTIFICATION
BARRIERS Three falls are present which are a partial block to salmon.
TRIBUTARIES None reported.
SCHOOLING AREAS There are several large pools throughout the streams length which afford good resting areas.
SPAWNING AREAS Spawning takes place over the entire stream length, but is concentrated in the riffle areas between the large pools.
GENERAL NOTES

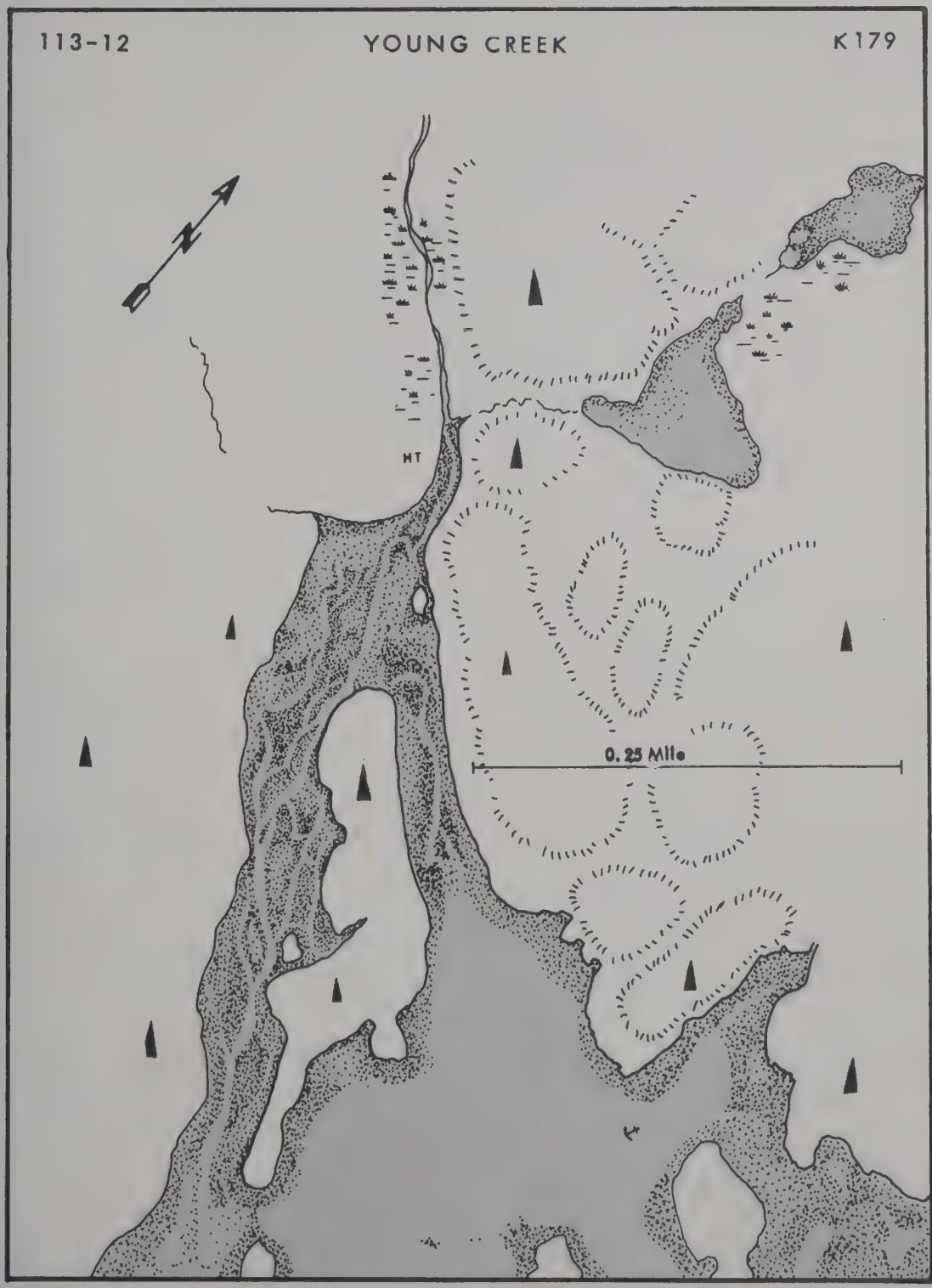
KARTA RIVER

ESCAPEMENT RECORD

[Counts made by ground surveys are designated by G. Aerial surveys by A]

Date	SURVEYED Miles	By	PINK Live	PINK Dead	CHUM Live	CHUM Dead	OTHER SPECIES Live	REMARKS Adjective rating
1930								
Oct 14	G 1.0	FWS						Good indications of run
1938								
Aug 17	G 1.5	FWS						1,000 fish
1940								
Sep 24	G 2.0	FWS	40,000		10,000			Good. 5,000 fish off mouth
1941								
Oct 11	G 2.0	FWS						Water high, many dead. Indications excellent
1943								
Sep 29	G 2.0	FWS	30,000		10,000			Fair. 4,000 off mouth
1945								
Sep 25	G 1.0	FWS	20,000		10,000			Excellent. 30,000 fish off mouth
1947								
Oct 8	G 0.5	ASI						Good chum escapement, small pink escapement
1948								
Aug 12	G 1.5	ASI					200 red	
Sep 16	G 1.5	ASI						Good showing chum, pink
Sep 30	G 1.3	ASI			20,000	5,000		
Oct 6	G 0.5	ASI						Stream full of chum and pink
1951								
Aug 25	G 0.5	FRI	150	0	30	0		Mostly in lower stream. Few off mouth
Sep 6	G 1.0	FRI	4,500	0	25	1	50 coho, few red	
Sep 20	G 1.0	FRI	10,200	100	6,700	1,500	1,000 coho	>10,000 chum in bay. Some coho in lake. 15,000 chum above marker
1952								
Sep 19	A 0.5	ADF&G						Poor visibility. Chum and pink present Scattered jumps
1953								
June 3	G 0.0	FWS					Few red showing	
June 7	G 0.0	FWS						First appearance of any number of red
June 11	A 1.0	FWS						No fish seen
June 15	G 0.0	FWS						First time any red noted going upstream
June 18	G 1.0	FWS						None noted in stream. Still numbers at tide head
July 24	A 2.0	FWS						2,000 red at head of Salmon Lake
Aug 24	G 1.0	FWS						Several hundred fish at falls
Sep 5	G 0.0	FWS						Good showing pink & chum in bay, none in creek
Sep 28	G 0.1	FWS						Fair. >2,000 salmon. Stream flooding
Oct 1	G 0.8	FWS						Many chum, few pink. Many at mouth. Visibility poor
Oct 7	G 0.0	FWS			50,000			Fair. Very few pink. Few fish showing
Oct 16	G 1.0	FWS						Stream flooded, many thousands dead
1954								
Sep 15	A 0.8	FRI	9,000		5,000			6,000 mixed off mouth
Sep 19	G	FWS	40,000		35,000			Excellent. Several thousands off mouth
Sep 25	A 1.0	FRI	0		15,000	>2,000		Many dead pink. Poor visibility. Pink probably present
1955								
Sep 19	A 1.0	FRI	5,000		20,000			Some dead chum. 20,000 fish at mouth
1956								
July 24		FWS					10,000 red	

Date	SURVEYED Miles	By	PINK Live	PINK Dead	CHUM Live	CHUM Dead	OTHER SPECIES Live	REMARKS Adjective rating
1956								
Sep 9	A 1.0	FRI	>10,000					>10,000 at mouth, many in bay
Sep 15	A	FWS	35,000		15,000			5,000 chum, 5,000 pink at mouth
Sep 20	A 1.0	FRI	>100,000		>50,000			>50,000 chum above marker. Thousands at mouth
Sep 28	A 1.0	FRI	250,000		100,000			20,000 chum and pink at mouth
Oct 1		FWS	20,000		10,000		Few coho	
1957								
July 9	G 1.0	FWS					7,000 red	
July 15		FWS					500 red	
July 16		FWS					400 red	
July 19		FWS					100 red	
July 22		FWS					100 red	
July 27		FWS					50 red	
July 28		FWS					100 red	
July 29		FWS					50 red	
Aug 11		FWS						50 chum at mouth
Aug 23		FWS	50				15 coho	
Aug 28		FWS						100 pink at mouth
Sep 2		FWS	55		25			
Sep 3		FWS	900		300			500 pink at mouth
Sep 5		FWS						10,000 at mouth
Sep 9	A 1.5	FRI			>15,000			Some pink. Thousands at mouth Jumps in bay
Sep 10		FRI						20,000 at mouth
Sep 13	G 1.5	FWS	6,000		25,000			20,000 in bay
Sep 13	A	FWS						10,000 chum at mouth
Sep 14	A	FWS						20,000 chum at mouth
Sep 15	G .5	FWS						75,000 - 95% chum at mouth
Sep 16		FWS			600			
Sep 17		FWS	5,000		45,000			3,750 pink
Sep 18		FWS						38,000 chum, 2,000 pink at mouth
Sep 20		FWS			20,000			20,000 chum at mouth
Sep 22	A 1.0	FRI			70,000	>2,000		Some pink. >30,000 chum at mouth, Thousands off mouth
Sep 22		FWS						15,000 chum at mouth
Sep 27	A 1.0	FRI			40,000	>50,000		Some pink. 20,000 chum at mouth
1958								
Sep 7	A 1.0	FWS	3,000		500			Fair visibility. Many jumps in bay
Sep 20	A 1.0				85,000			Fair visibility. 30,000 schooled off mouth
1959								
July 13	A	FRI	0		0			None at mouth
Aug 30	A	FRI	1,900		1,000		9,725 red, 675 coho	None at mouth
Sep 24	G	FWS						River too high
1960								
Season	A	ADF&G	2,000					None at mouth
1961								
Season	Strmguard	ADF&G	8,100		2,700		5,400 red, 100 coho	


113-12
YOUNG CREEK
K179
HT
0.25 Mile

113-12 YOUNG CREEK K 179
55°35.5' N. 132°34.3' W. Previous No. 146A

KETCHIKAN, CLARENCE STRAIT, KASAAN BAY, N.W. head

MAJOR SPECIES Pink
OTHER SPECIES
ESCAPEMENT TIMING
ESCAPEMENT MAGNITUDE
SPAWNING FACILITIES Fair.
STREAM TEMPERATURES Warm range.
VALLEY DESCRIPTION
DRAINAGE 20 square miles (polar planimeter).
STREAM MOUTH IDENTIFICATION Enter the head of a bay 1 mile N. W. of Mound Point.
ANCHORAGE See Karta River (K 178).
TRAILS AND SURVEY ROUTES
AERIAL SURVEY NOTES
GENERAL NOTES Scant survey records - could be worthy of further surveys. Not an important salmon stream.

INTERTIDAL ZONE

LENGTH
AVERAGE WIDTH/DEPTH
GRADIENT AND VELOCITIES
BOTTOM
LOW TIDE LOCATION
HIGH TIDE LOCATION
SCHOOLING AREAS
SPAWNING AREAS
GENERAL NOTES

UPSTREAM

LENGTH ACCESSIBLE
AVERAGE WIDTH/DEPTH 20'/6"
GRADIENT AND VELOCITIES
BOTTOM
MARKER DISTANCE
MARKER IDENTIFICATION
BARRIERS
TRIBUTARIES
SCHOOLING AREAS
SPAWNING AREAS
GENERAL NOTES

ESCAPEMENT RECORD

[Counts made by ground surveys are designated by G . Aerial surveys by A]

	SURVEYED		PINK		CHUM		OTHER SPECIES	REMARKS
Date	Miles	By	Live	Dead	Live	Dead	Live	Adjective rating
1940								
Sep 26	G 1.0	FWS	3,500					Fair. 1,500 fish at mouth
1947								
Oct 8		ASI						Small escapement
1953								
Oct 1	G 0.1	FWS	0	0	1	0		

113-12
K180
HT
0.25 Mile

113-12 K 180
55°37.6' N. 132°33.5' W. No Previous No.

KETCHIKAN, CLARENCE STRAIT, KASAAN BAY, N. head

MAJOR SPECIES
ESCAPEMENT TIMING
SPAWNING FACILITIES
STREAM TEMPERATURES Warm range
VALLEY DESCRIPTION
DRAINAGE 8 square miles (polar planimeter).
STREAM MOUTH IDENTIFICATION
ANCHORAGE
TRAILS AND SURVEY ROUTES
AERIAL SURVEY NOTES
GENERAL NOTES No escapement records. Not an important salmon stream.

OTHER SPECIES
ESCAPEMENT MAGNITUDE

INTERTIDAL ZONE

LENGTH
GRADIENT AND VELOCITIES
BOTTOM
LOW TIDE LOCATION
HIGH TIDE LOCATION
SCHOOLING AREAS
SPAWNING AREAS
GENERAL NOTES

AVERAGE WIDTH/DEPTH

UPSTREAM

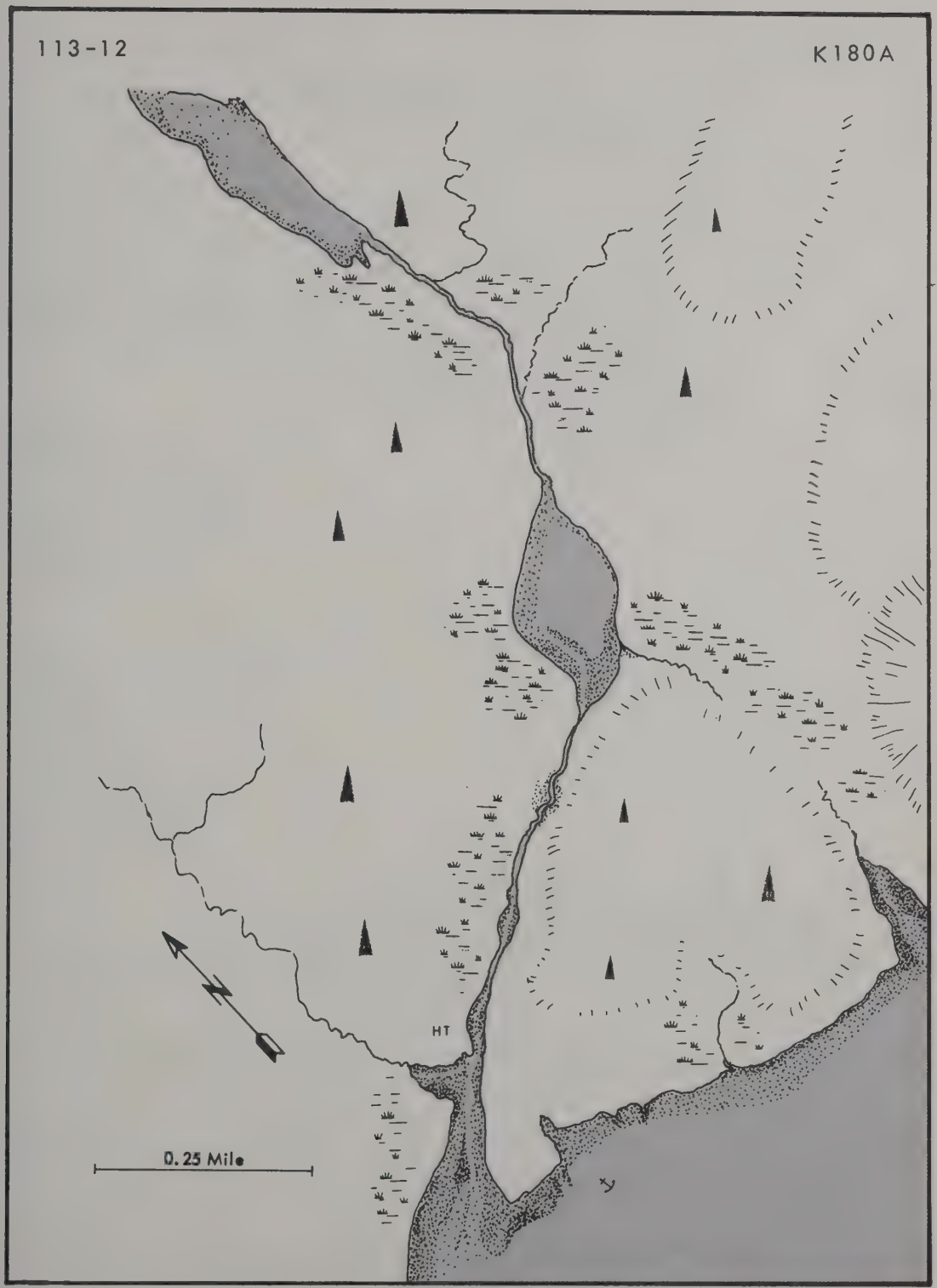
LENGTH ACCESSIBLE
GRADIENT AND VELOCITIES
BOTTOM
MARKER DISTANCE
MARKER IDENTIFICATION
BARRIERS
TRIBUTARIES
SCHOOLING AREAS
SPAWNING AREAS
GENERAL NOTES

AVERAGE WIDTH/DEPTH

ESCAPEMENT RECORD

[Counts made by ground surveys are designated by G. Aerial surveys by A]

SURVEYED			PINK		CHUM		OTHER SPECIES	REMARKS
Date	Miles	By	Live	Dead	Live	Dead	Live	Adjective rating


113-12
K180A
HT
0.25 Mile

113-12
55°36.3' N. 132°30.4' W.

K 180A
No Previous No.

KETCHIKAN, CLARENCE STRAIT, KASAAN BAY, E. shore 2.7 miles from N. head

MAJOR SPECIES
ESCAPEMENT TIMING
SPAWNING FACILITIES
STREAM TEMPERATURES Warm range.
VALLEY DESCRIPTION
DRAINAGE 0.5 square mile (polar planimeter).
STREAM MOUTH IDENTIFICATION
ANCHORAGE
TRAILS AND SURVEY ROUTES
AERIAL SURVEY NOTES
GENERAL NOTES No escapement records. Not an important salmon stream.

OTHER SPECIES
ESCAPEMENT MAGNITUDE

INTERTIDAL ZONE

LENGTH
GRADIENT AND VELOCITIES
BOTTOM
LOW TIDE LOCATION
HIGH TIDE LOCATION
SCHOOLING AREAS
SPAWNING AREAS
GENERAL NOTES

AVERAGE WIDTH/DEPTH

UPSTREAM

LENGTH ACCESSIBLE
GRADIENT AND VELOCITIES
BOTTOM
MARKER DISTANCE
MARKER IDENTIFICATION
BARRIERS
TRIBUTARIES
SCHOOLING AREAS
SPAWNING AREAS
GENERAL NOTES

AVERAGE WIDTH/DEPTH

ESCAPEMENT RECORD

[Counts made by ground surveys are designated by G. Aerial surveys by A]

SURVEYED			PINK		CHUM		OTHER SPECIES	REMARKS
Date	Miles	By	Live	Dead	Live	Dead	Live	Adjective rating

113-12 K 181
55°32.5' N. 132°25' W. No Previous No.

KETCHIKAN, CLARENCE STRAIT, KASAAN BAY, N. shore 7.8 miles from N. head

MAJOR SPECIES
ESCAPEMENT TIMING
SPAWNING FACILITIES
STREAM TEMPERATURES Warm range.
VALLEY DESCRIPTION
DRAINAGE 2 square miles (polar planimeter).
STREAM MOUTH IDENTIFICATION
ANCHORAGE
TRAILS AND SURVEY ROUTES
AERIAL SURVEY NOTES
GENERAL NOTES No record of escapement or physical features. Not important as a salmon stream.

OTHER SPECIES
ESCAPEMENT MAGNITUDE

INTERTIDAL ZONE

LENGTH
GRADIENT AND VELOCITIES
BOTTOM
LOW TIDE LOCATION
HIGHT TIDE LOCATION
SCHOOLING AREAS
SPAWNING AREAS
GENERAL NOTES

AVERAGE WIDTH/DEPTH

UPSTREAM

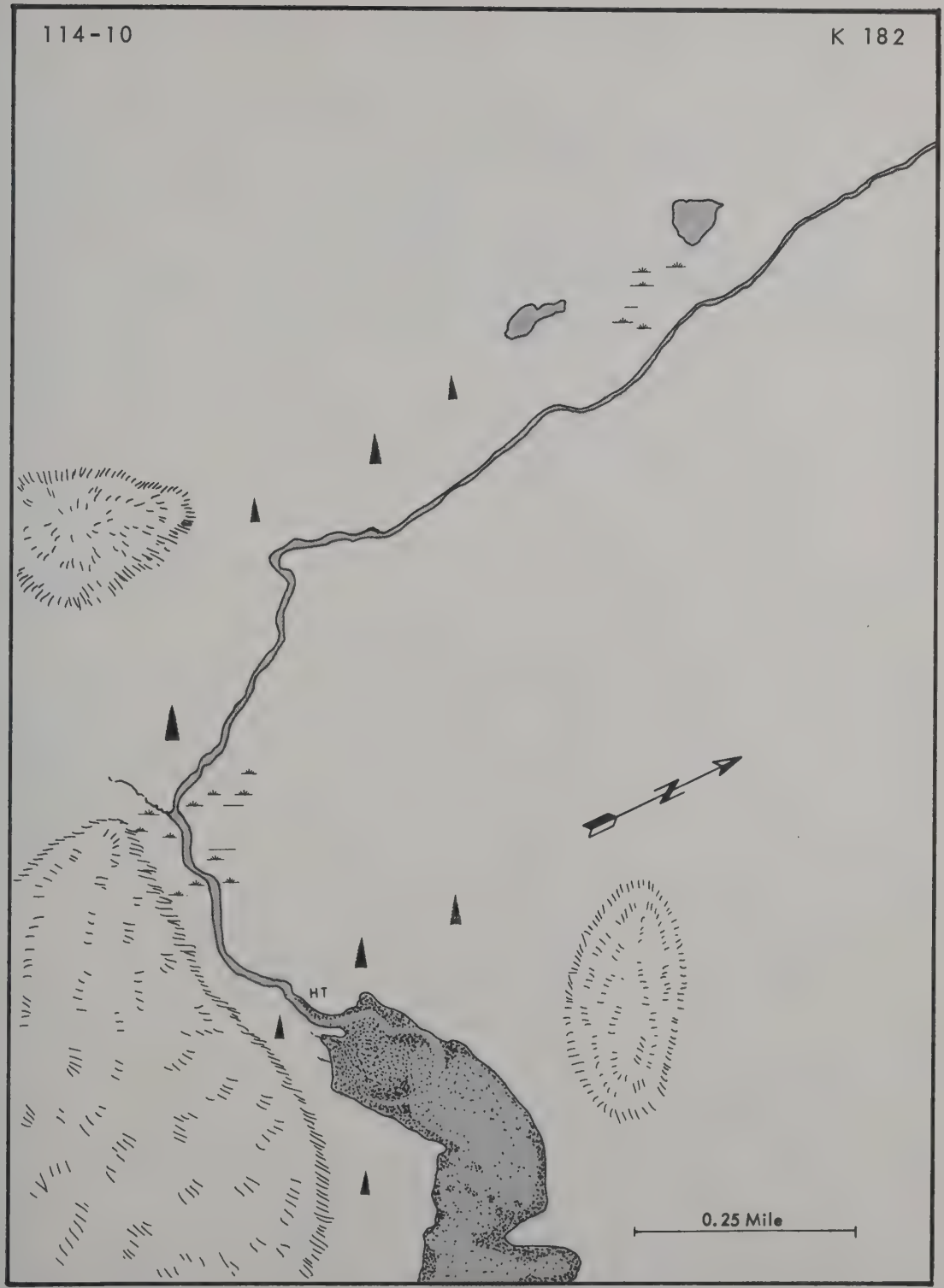
LENGTH ACCESSIBLE
GRADIENT AND VELOCITIES
BOTTOM
MARKER DISTANCE
MARKER IDENTIFICATION
BARRIERS
TRIBUTARIES
SCHOOLING AREAS
SPAWNING AREAS
GENERAL NOTES

AVERAGE WIDTH/DEPTH

ESCAPEMENT RECORD

[Counts made by ground surveys are designated by G. Aerial surveys by A]

SURVEYED			PINK		CHUM		OTHER SPECIES	REMARK'
Date	Miles	By	Live	Dead	Live	Dead	Live	Adjective rating


114-10
K 182
HT
0.25 Mile

114-10 K 182
55°35.7' N. 132°21.5' W. Previous No. 147

KETCHIKAN, CLARENCE STRAIT, WINDFALL HARBOR, Head

MAJOR SPECIES OTHER SPECIES
ESCAPEMENT TIMING Late (estimated). ESCAPEMENT MAGNITUDE
SPAWNING FACILITIES
STREAM TEMPERATURES Warm range (estimated).
VALLEY DESCRIPTION A wide valley of glacial origin. The most prominent mountains follow the S. side of the valley. Near the creek the gradient is moderate.
DRAINAGE 7 square miles (polar planimeter). Precipitation fed. Snowmelt from snowfields N. and S. of the valley contributes at certain times of the year. A few small lakes and muskeg areas in the upper valley.
STREAM MOUTH IDENTIFICATION The mouth lies at the head of Windfall Harbor. The main channel runs along the N. shore.
ANCHORAGE This harbor is a poor anchorage and should be avoided by all except small craft. Lyman anchorage, 4 miles S.E. of the harbor offers excellent shelter in all weather.
TRAILS AND SURVEY ROUTES
AERIAL SURVEY NOTES
GENERAL NOTES Scant survey records.

INTERTIDAL ZONE

LENGTH AVERAGE WIDTH/DEPTH
GRADIENT AND VELOCITIES
BOTTOM Gravel.
LOW TIDE LOCATION
HIGH TIDE LOCATION
SCHOOLING AREAS
SPAWNING AREAS
GENERAL NOTES

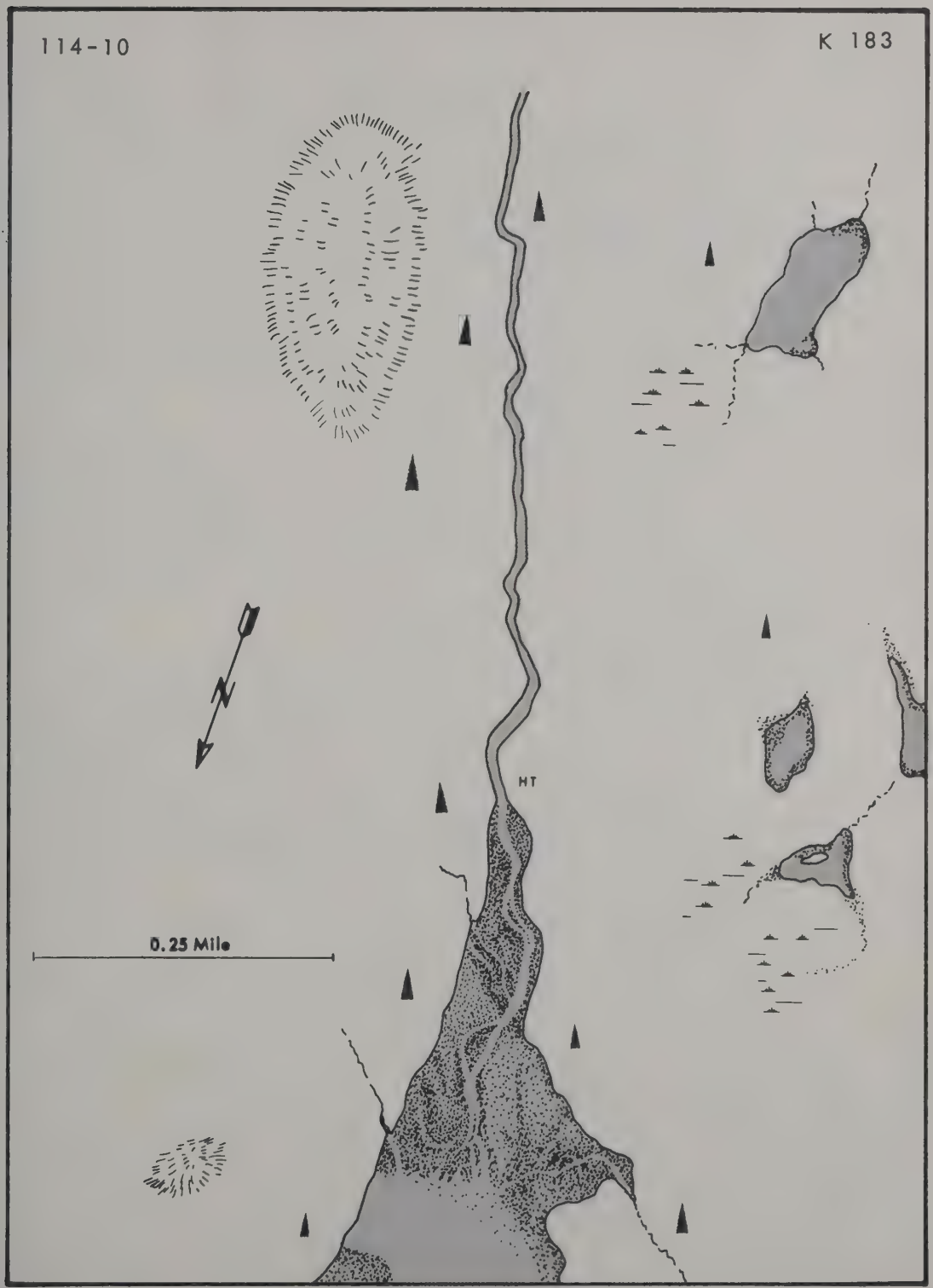
UPSTREAM

LENGTH ACCESSIBLE AVERAGE WIDTH/DEPTH 10'/3"
GRADIENT AND VELOCITIES
BOTTOM Large gravel and rock.
MARKER DISTANCE
MARKER IDENTIFICATION
BARRIERS None
TRIBUTARIES
SCHOOLING AREAS
SPAWNING AREAS
GENERAL NOTES

ESCAPEMENT RECORD

[Counts made by ground surveys are designated by G. Aerial surveys by A]

	SURVEYED		PINK		CHUM		OTHER SPECIES	REMARKS
Date	Miles	By	Live	Dead	Live	Dead	Live	Adjective rating
1951								
Sep 22	G 0.3	FRI	0	0	109	55		250 pink at mouth


114-10
K 183
HT
0.25 Mile

114-10 K 183
55°36.6' N. 132°26.7' W. Previous No. 148

KETCHIKAN, CLARENCE STRAIT, TOLSTOI BAY, Head

MAJOR SPECIES Pink, chum OTHER SPECIES
ESCAPEMENT TIMING Late (estimated) ESCAPEMENT MAGNITUDE
SPAWNING FACILITIES Fair to good.
STREAM TEMPERATURES Warm range (No observed temperatures).
VALLEY DESCRIPTION Stream-cut. A steep-sided valley running N. and S. Heavily wooded.
DRAINAGE 7 square miles (polar planimeter). Precipitation fed. A few small lakes are found within the valley.
STREAM MOUTH IDENTIFICATION The mouth lies at the head of Tolstoi Bay and runs across a tide flat 0.5 mile in length, entering the flat from the S.E. corner. A smaller stream enters the flat from the S.W. corner.
ANCHORAGE Anchorage is found in 10 to 15 fathoms in midchannel westward of the wooded islet at the head of the bay. Protected from all except northerly winds.
TRAILS AND SURVEY ROUTES
AERIAL SURVEY NOTES Brushy banks and dark water make aerial survey difficult and unsatisfactory.
GENERAL NOTES Has good escapements of both pink and chum.

INTERTIDAL ZONE

LENGTH 0.6 mile AVERAGE WIDTH/DEPTH
GRADIENT AND VELOCITIES
BOTTOM Gravel.
LOW TIDE LOCATION
HIGH TIDE LOCATION
SCHOOLING AREAS
SPAWNING AREAS
GENERAL NOTES

UPSTREAM

LENGTH ACCESSIBLE 0.5 mile AVERAGE WIDTH/DEPTH 30'-40'/12"-15"
GRADIENT AND VELOCITIES Slow to moderate
BOTTOM Sand, gravel, and small rock.
MARKER DISTANCE
MARKER IDENTIFICATION
BARRIERS
TRIBUTARIES
SCHOOLING AREAS
SPAWNING AREAS The lower part of this section is utilized the most.
GENERAL NOTES This stream is not a large stream but it has a very good spawning bed.

K 183
Previous No. 148

ESCAPEMENT RECORD

[Counts made by ground surveys are designated by G. Aerial surveys by A]

Date	SURVEYED Miles	By	PINK Live	PINK Dead	CHUM Live	CHUM Dead	OTHER SPECIES Live	REMARKS Adjective rating
1937								
Oct 7	G	FWS						Very good escapement
1940								
Oct 1	G 1.0	FWS	10,000		1,000			Excellent
1941								
Oct 11	G 0.8	FWS	12,000					Excellent. Chum showing
1943								
Sep 28	G 1.0	FWS	5,000		10,000			Fair. Many dead chum
1946								
Oct 4	G 1.0	FWS	8,500		1,500			Good
1953								
Oct 2	G 0.4	FWS	40		270	20		Poor. Few chum at mouth
1960								
Sep 2	A	ADF&G	0		0			None at mouth
1961								
Aug 18	A	ADF&G						None observed

114-10
K183A
Barrier Falls
HT
N
0.25 Mile

114-10 K 183A
55°37.9' N. 132°25.5' W. Previous No. 148A

KETCHIKAN, CLARENCE STRAIT, TOLSTOI BAY, E. shore 1.8 miles from head

MAJOR SPECIES Pink, chum OTHER SPECIES
ESCAPEMENT TIMING Late (estimated) ESCAPEMENT MAGNITUDE
SPAWNING FACILITIES Fair to good.
STREAM TEMPERATURES Warm range.
VALLEY DESCRIPTION Stream-cut. The main valley runs toward the E., and a smaller valley comes into it from the N. The northern slope has the steepest gradient.
DRAINAGE 3.5 square miles (polar planimeter). Precipitation fed.
STREAM MOUTH IDENTIFICATION Enters the E. side of Tolstoi bay 1.5 miles from its head.
ANCHORAGE See (K 183).
TRAILS AND SURVEY ROUTES
AERIAL SURVEY NOTES Not surveyed from the air.
GENERAL NOTES Appears to have a run nearly the same size as K 183.

INTERTIDAL ZONE

LENGTH AVERAGE WIDTH/DEPTH
GRADIENT AND VELOCITIES
BOTTOM
LOW TIDE LOCATION
HIGH TIDE LOCATION
SCHOOLING AREAS
SPAWNING AREAS
GENERAL NOTES

UPSTREAM

LENGTH ACCESSIBLE AVERAGE WIDTH/DEPTH 12'-15'/6"-10"
GRADIENT AND VELOCITIES
BOTTOM
MARKER DISTANCE
MARKER IDENTIFICATION
BARRIERS An 8' falls 260' above high tide mark.
TRIBUTARIES
SCHOOLING AREAS
SPAWNING AREAS
GENERAL NOTES Spawning area above falls is poor.

ESCAPEMENT RECORD

[Counts made by ground surveys are designated by G. Aerial surveys by A]

	SURVEYED		PINK		CHUM		OTHER SPECIES	REMARKS
Date	Miles	By	Live	Dead	Live	Dead	Live	Adjective rating
1940								
Oct 1	G 0.5	FWS	2,000		500			Excellent
1941								
Oct 11	G 0.5	FWS	2,500		500			Excellent
1943								
Sep 27	G 1.0	FWS	5,000		8,000			Fair. 1,000 fish off mouth

114-10
THORNE RIVER
K 184

1 Mile
203

114-10 THORNE RIVER K 184
55°41.9' N. 132°34.3' W. Previous No. 149

KETCHIKAN, CLARENCE STRAIT, THORNE BAY, N. head

MAJOR SPECIES Pink, chum OTHER SPECIES Coho, red
ESCAPEMENT TIMING Late. Sept. -Oct. ESCAPEMENT MAGNITUDE
SPAWNING FACILITIES Good to excellent.
STREAM TEMPERATURES Warm range (Observed temperatures: 50° F., 9/12/49).
VALLEY DESCRIPTION A large glacial valley with numerous tributary valleys. The tributary valleys are both glacial and stream cut. Large muskég areas scattered throughout.
DRAINAGE 210 square miles (polar planimeter). Many lakes and streams aré found within this system and are the streams major water source. Snowfields are found in the valley also.
STREAM MOUTH IDENTIFICATION The stream enters the head of the N. W. arm of Thorne Bay. A long tidal flat about 1.5 miles in length is exposed at low tide.
ANCHORAGE Enter Thorne Bay on the N. side of the large island obstructing its mouth, keep a midchannel course. Anchorage is available about 2 miles from the head of the bay. In the past floats have been available for moorage.
TRAILS AND SURVEY ROUTES At high tide a skiff may be taken about 3 miles upstream. Travel from here is best along the stream bank. The stream is too large for adequate ground survey.
AERIAL SURVEY NOTES The water in this stream is discolored and aerial visibility is poor, especially in the lower parts.

INTERTIDAL ZONE

LENGTH 4 miles AVERAGE WIDTH/DEPTH 100'-150'/20"-36"
GRADIENT AND VELOCITIES
BOTTOM Gravel and large rocks.
LOW TIDE LOCATION
HIGH TIDE LOCATION Just below the small canyon 4.2 miles upstream.
SCHOOLING AREAS Numerous pools and sloughs are scattered throughout.
SPAWNING AREAS Spawning occurs throughout most of this zone, but the largest numbers of spawners utilize the upper half. Conditions for observations are limited in the lower half.
GENERAL NOTES Visibility is inhibited by discolored water.

UPSTREAM

LENGTH ACCESSIBLE AVERAGE WIDTH/DEPTH 70'-100'/12"-24"
GRADIENT AND VELOCITIES Slow to moderate
BOTTOM Sand, gravel, and some slate and bedrock.
MARKER DISTANCE
MARKER IDENTIFICATION
BARRIERS None reported.
TRIBUTARIES Many tributaries run in from the numerous lakes in this system. Most are utilized for spawning.
SCHOOLING AREAS There are many pools scattered throughout the length of this stream which are available for schooling.
SPAWNING AREAS Spawning occurs in all riffle areas.
GENERAL NOTES Thorne River is one of the best spawning streams in S. E Alaska. It is a large stream with very good spawning facilities, and is reported to be unobstructed for over 10 miles.

THORNE RIVER

K 184
Previous No. 149

ESCAPEMENT RECORD

[Counts made by ground surveys are designated by G. Aerial surveys by A]

Date	SURVEYED Miles	By	PINK Live	PINK Dead	CHUM Live	CHUM Dead	OTHER SPECIES Live	REMARKS Adjective rating
1937								
Oct 8		FWS						River high and discolored. Good escapement presumed from fish seen dead on banks
1940								
Oct 2	G 3.0	FWS						Good. Good showing live & dead fish
1941								
Aug 17	G 3.0	FWS						Fish just starting to come in
Oct 12	G 3.0	FWS						Good. Many dead fish. Water high and muddy
1943								
Sep 28	G 0.5	FWS						Fair. 15,000 off mouth. No est. in stream
1946								
Oct 4	G 2.0	FWS						No estimate possible
1947								
Oct 9	G 1.0	ASI						Poor. Few fish. Water discolored
1948								
Aug 14	G 3.0	ASI					500 red	
Aug 21	G 3.0	ASI			200		300 red	
Sep 11	G 0.5	ASI						Water too high and discolored
Sep 17	G 1.0	ASI						Many chum, coho, & pink spawning
Oct 1	G 1.5	ASI						Many chum and pink
Oct 8		ASI						River too high
1949								
Aug 30	A 5.3	FRI						Occasional jumps in lower river & off mouth
Sep 12	G 1.0	FRI	5,889	18	1,275	73		Survey terminated just above Thorne River Club camp site
1953								
Oct 2	G 0.5	FWS						Poor. Little showing, pink, few chum. Visibility poor. Resident reports good early red run, pink & chum run poor
1954								
Aug 24	A 2.0	FRI	3,500	0				>3,000 in mouth
Sep 8	A 8.0	FRI						Many pink. Poor visibility. Salmon present
Sep 17	A 2.0	FRI	3,000	200	4,000	800		Est. 10,000 above marker
1956								
July 24		FWS					500 coho, 10,000 red.	400 coho at mouth
Aug 14		FWS	2,000					
Aug 19		FWS						Some chum, 3,000 pink at mouth
Aug 20		FWS	5,000					Some chum, 10,000 fish at mouth
Aug 21		FWS						10,000 chum and pink
Aug 22		FWS	15,000				Few coho	Few chum
Sep 9	A 2.0	FRI	>40,000					Est. 3-5 times more in pool
1957								
June 1		FWS					2,000 red	
July 1		FWS					5,000 red	
July 25		FWS					200 coho	
Aug 9		FWS	250		250			
Sep 16	G 1.0	FWS	2,000		3,000			Few jumps in bay
Sep 16		FWS	200		13,000			
Sep 27	A 3.0	FRI			15,000	10,000		Some dead pink. No fish observed off mouth
1959								
June 30	A	FWS	0		0		200 red	None at mouth. No jumpers in bay
Aug 6	A	FWS	500		0		200 coho, 500 red	None at mouth
1960								
Sep 16	A	ADF&G	0		0			None at mouth. Water dark

SURVEYED			PINK		CHUM		OTHER SPECIES	REMARKS
Date	Miles	By	Live	Dead	Live	Dead	Live	Adjective rating
1961								
Sep 18	G	ADF&G	500		1,500			Forest Service

114-10 GRAVELLY CREEK K 184-1
55°42' N. 132°34.8' W. No previous No.

KETCHIKAN, CLARENCE STRAIT, THORNE BAY, 1 mile upstream Thorne River, N.E. shore

MAJOR SPECIES
ESCAPEMENT TIMING
SPAWNING FACILITIES
STREAM TEMPERATURES Colder than Thorne River.
VALLEY DESCRIPTION Narrow.
DRAINAGE 11.5 square miles (polar planimeter).
STREAM MOUTH IDENTIFICATION Flows into Thorne River from the left bank at approximately the high tide mark.
ANCHORAGE
TRAILS AND SURVEY ROUTES
AERIAL SURVEY NOTES

OTHER SPECIES
ESCAPEMENT MAGNITUDE

INTERTIDAL ZONE

LENGTH
AVERAGE WIDTH/DEPTH 30'/10"
GRADIENT AND VELOCITIES Steep, 5% grade for first 2,000', then 2% grade.
BOTTOM Large boulders and large gravel.
LOW TIDE LOCATION
HIGH TIDE LOCATION
SCHOOLING AREAS
SPAWNING AREAS
GENERAL NOTES

UPSTREAM

LENGTH ACCESSIBLE
AVERAGE WIDTH/DEPTH
GRADIENT AND VELOCITIES 2% grade
BOTTOM
MARKER DISTANCE
MARKER IDENTIFICATION
BARRIERS
TRIBUTARIES
SCHOOLING AREAS
SPAWNING AREAS
GENERAL NOTES

ESCAPEMENT RECORD

[Counts made by ground surveys are designated by G. Aerial surveys by A]

	SURVEYED		PINK		CHUM		OTHER SPECIES	REMARKS
Date	Miles	By	Live	Dead	Live	Dead	Live	Adjective rating

114-10
55°44.6' N. 132°29' W.

K 185
No Previous No.

KETCHIKAN, CLARENCE STRAIT, 2 miles N. of Forss Cove

MAJOR SPECIES
ESCAPEMENT TIMING
SPAWNING FACILITIES
STREAM TEMPERATURES Warm range.
VALLEY DESCRIPTION
DRAINAGE
STREAM MOUTH IDENTIFICATION
ANCHORAGE
TRAILS AND SURVEY ROUTES
AERIAL SURVEY NOTES
GENERAL NOTES No escapement records. Not an important salmon stream.

OTHER SPECIES
ESCAPEMENT MAGNITUDE

INTERTIDAL ZONE

LENGTH
GRADIENT AND VELOCITIES
BOTTOM
LOW TIDE LOCATION
HIGH TIDE LOCATION
SCHOOLING AREAS
SPAWNING AREAS
GENERAL NOTES

AVERAGE WIDTH/DEPTH

UPSTREAM

LENGTH ACCESSIBLE
GRADIENT AND VELOCITIES
BOTTOM
MARKER DISTANCE
MARKER IDENTIFICATION
BARRIERS
TRIBUTARIES
SCHOOLING AREAS
SPAWNING AREAS
GENERAL NOTES

AVERAGE WIDTH/DEPTH

ESCAPEMENT RECORD

[Counts made by ground surveys are designated by G. Aerial surveys by A]

SURVEYED			PINK		CHUM		OTHER SPECIES	REMARKS
Date	Miles	By	Live	Dead	Live	Dead	Live	Adjective rating

GPO 999928